

TOWSON



**Towson State University
Graduate School Bulletin
1980-1981**

The student is responsible for complying with the provisions and requirements as they are written in this publication; however, the provisions of this publication are not to be regarded as an irrevocable contract between the student and Towson State University. The University reserves the right to change any provision or requirement at any time within the student's term of residence, or to add or withdraw course offerings.

ACCREDITATION

Towson State University is accredited by the Middle States Association of Colleges and Secondary Schools, the Maryland State Board of Education and the National Council for the Accreditation of Teacher Education. The University is a member of the American Council on Education, the Council of Graduate Schools in the United States, and the Northeastern Association of Graduate Schools. It is approved by the American Association of University Women.

TOWSON STATE UNIVERSITY BULLETIN

Volume XIV

1980-1981

ACADEMIC CALENDAR 1980-1981

1980 FALL SEMESTER

- Aug. 19 Tues. Registration in University Union (in person).
20 Wed. See Registration Time Schedule in Fall Evening Schedule.
- Sept. 3 Wed. Classes begin.
- Oct. 1 Wed. Final date to apply for Advancement to Degree Candidacy and Comprehensive Examinations.
Final date to submit Diploma Card for December graduation.
- Nov. 1 Sat. Comprehensive Examination. (Most Advancement to Degree Candidacy Examinations will be administered on this date.)

1981 SPRING SEMESTER

- Jan. 27 Tues. Registration in University Union (in person).
28 Wed. See Registration Time Schedule in spring Evening Schedule.
- Feb. 9 Mon. Classes begin.
13 Fri. Final date to apply for Advancement to Degree Candidacy and Comprehensive Examinations.
Final date to submit Diploma Card for June graduation.
- Apr. 4 Sat. Comprehensive Examination. (Most Advancement to Degree Candidacy Examinations will be administered on this date.)
16 Thurs. Spring Vacation begins after last class.
27 Mon. Classes Resume.
- June 1 Mon. Final date to apply for Advancement to Degree Candidacy and Comprehensive Examinations.
Final date to submit Diploma Card for Sept. graduation.
6 Sat. Last day of classes.
6 Sat. Registration for Summer Sessions in University Union (in person). See Registration Time Schedule in Summer Sessions Bulletin.
7 Sun. Commencement.

1981 SUMMER SESSIONS

- June 11 Thurs. First Session day classes begin.
15 Mon. Evening classes begin.
- July 11 Sat. Comprehensive Examination. (Most Advancement to Degree Candidacy Examinations will be administered on this date.)
16 Thurs. Second Session day classes begin.

S.T.C
LD5351
T5a.a
1980-1981



DR. HOKE L. SMITH
PRESIDENT

Towson State University

Graduate School Bulletin 1980-1981

Table of Contents

| | |
|--|-----------|
| ACADEMIC CALENDAR | 1 |
| GENERAL INFORMATION | 4 |
| REGISTRATION AND FINANCIAL INFORMATION | 8 |
| STUDENT PERSONNEL PROGRAM | 9 |
| ACADEMIC REGULATIONS | 11 |
| GRADUATE PROGRAMS | 21 |
| COURSE DESCRIPTIONS | 51 |
| BOARD OF TRUSTEES | 113 |
| ADMINISTRATION | 113 |
| INSTRUCTIONAL FACULTY | 115 |
| INDEX | 132 |
| MAP OF CAMPUS | Cover III |
| | I.B.C. |

TOWSON STATE UNIVERSITY
Towson, Maryland 21204

GENERAL INFORMATION

HISTORY OF THE UNIVERSITY

Towson State University, the oldest and largest of Maryland's public colleges and universities traces its history back to 1865 when the General Assembly of Maryland established a statewide public school system. The first state teacher training institution was the Maryland State Normal School, which in 1935 became the State Teachers' College at Towson.

Formally opened in Baltimore on January 15, 1866, the Normal School was, for many years, the only institution devoted exclusively to the preparation of teachers for the public schools of Maryland.

The School occupied three different locations in the City of Baltimore before moving to its present suburban location in 1915.

In 1946 the arts and sciences program was introduced at Towson. Beginning as a two-year transfer program, it was extended to a four-year, degree-granting program in 1960.

In 1963 the College was authorized by action of the Legislature, to expand its offerings in the arts and sciences while maintaining a strong program in teacher education, and to change its name from State Teachers' College at Towson to Towson State College. In 1976 legislative authorization enabled the institution to become Towson State University.

DEVELOPMENT OF GRADUATE STUDIES

Graduate Studies at Towson State University began in 1958 with the establishment of a Master of Education degree program in Elementary Education. This was initiated after two years of preliminary study and recommendations from teachers and school administrators.

Sixty-seven students were admitted to the degree program in the first session of 1958, and the number of students has increased to the more than 4,500 enrolled in May 1979. Towson State University offers thirteen programs leading to the Master's degree. A number of other programs are in various stages of planning and approval. The programs presently offered and the dates of approval by the Board of Trustees are as follows:

Master of Arts

| | |
|--------------------------------------|------|
| General Studies | 1974 |
| Geography and Environmental Planning | 1970 |
| Psychology | 1974 |
| Mass Communication | 1981 |

Master of Education

| | |
|---------------------------|------|
| Art Education | 1965 |
| Early Childhood Education | 1968 |
| Elementary Education | 1958 |
| Music Education | 1969 |
| Reading | 1969 |
| Secondary Education | 1965 |

Master of Science

| | |
|---|------|
| Biology | 1970 |
| Health Science | 1976 |
| Instructional Technology | 1971 |
| Speech-Language Pathology and Audiology | 1972 |

THE CAMPUS

The University is situated on a campus of over 324 acres located one and a half miles beyond the northern border of the city of Baltimore.

Within an eight-mile radius of the campus are all the cultural advantages of the city of Baltimore — The Peabody Conservatory of Music and Library, the Enoch Pratt Free Library, the Walters Art Gallery, the Baltimore Museum of Art, and the many theaters and other cultural centers necessary for a well-rounded University experience.

Campus buildings and facilities give excellent support to the various University programs. The following are of particular interest to graduate students:

1. Stephens Hall, one of the original campus buildings, houses the departments of Mathematics and Business Administration. This building, with its clock tower, has become a landmark in the Baltimore area.
2. The Albert S. Cook Library has well-developed holdings in the arts and sciences and teacher education. Towson's long history of teacher education is reflected in the extensive collections of bound volumes, reference works and periodicals in this field, as well as substantial holdings in microfilm and microcard. The collections of curriculum materials, textbooks, trade books and audiovisuals aids are particularly noteworthy.
3. Van Bokkelen Hall is a classroom building for the department of Communication Arts and Sciences. In addition, it contains recording and listening rooms for this department.
4. Lida Lee Tall Learning Resources Center greatly facilitates field studies of children from nursery school through grade six.
5. Glen Esk, formerly the president's home, is now occupied by Counseling and Psychological Services.
6. Smith Science Hall was first occupied in the Fall of 1965. Included in the building are biology, chemistry, physics and science education offices, classrooms, laboratories and special function rooms such as student and faculty work and preparation areas. The Watson-King Planetarium is on the top floor. A large addition to the building was completed in 1976.
7. Linthicum Hall, completed in 1967, is a major classroom building on campus. Many faculty offices are also located there.
8. Burdick Hall, the health and physical education building completed in 1968, houses three gymnasiums, an olympic-size swimming pool, classrooms, and various training and dressing rooms.
9. The General Services Building, opened in Spring 1970, contains offices and shops for the physical plant department, the University Police headquarters, and Central Stores and Receiving.
10. The University Union, a three-story building opened in the Fall of 1971, provides cultural and recreational activities for the entire campus. Located in this building are the post office, book store, box office, dining areas for private and banquet size groups, bowling alleys and a billiard room.
11. The Administration Building, a three-story structure at the corner of Osler Drive and Towsontown Boulevard, opened in 1972. It contains the principal administration offices. The Graduate School Offices are located on the main level, west end.

12. The Fine Arts Building, opened in May, 1973, houses the Art, Music, and Theater Arts Departments as well as public performance areas, art galleries, studios, laboratories, and offices.
13. Hawkins Hall and the Psychology Building, the psychology-education complex, constructed at a cost of approximately \$7.5 million, was completed in the early part of 1977. It includes a five-story education building, housing offices, classrooms, and laboratory areas, and a five-story psychology building, with scientific equipment and a two-story lecture hall.
14. The Towson Center, the University's new physical education complex, was completed in 1977 at a cost of approximately \$12 million. The 100-acre complex includes an arena, stadium, all-weather track, tennis courts, and separate fields for football, lacrosse, baseball, soccer, field hockey and softball.

ACCREDITATION

Towson State University is accredited by the Middle States Association of Colleges and Secondary Schools, the Maryland State Board of Education and the National Council for the Accreditation of Teacher Education. The College is a member of the American Council on Education and is approved by the American Association of University Women.

PRIVACY RIGHTS OF PARENTS AND STUDENTS

Towson State University is in compliance with Section 513 (Protection of the rights and privacy of parents and students) and Section 514 (Protection of pupil rights) of Title V—Education Administration of the Education Amendments of 1974.

NON-DISCRIMINATION IN EDUCATION AND EMPLOYMENT

Towson State University is in compliance with Titles VI and VII of the Civil Rights Act of 1964, the Equal Pay Act of 1963, Title IX of the Education Amendments of 1972, Titles VII and VIII of the Public Health Service Act, Section 504 of the Rehabilitation Act of 1973, Section 303 of the Age Discrimination Act of 1975, Executive Order 11246/11375, and Article 64A (The Governor's Code of Fair Practices). In accordance with these laws, the University does not discriminate against any individual for reasons of race, color, religion, national origin, sex, age, political affiliation, marital status, or condition of handicap in the admission of students, educational programs and activities, hiring of faculty and staff, or any terms and conditions of employment. The University is also in compliance with Federal regulations regarding prohibition of discrimination on the basis of veteran status. Information on these laws and copies of the Affirmative Action Plan of Towson State University are available from the Affirmative Action Officer.

BOARD OF TRUSTEES

The University is governed by an 11-member Board of Trustees—10 members appointed by the Governor for nine-year terms—and one student member appointed by the Governor for a one-year term. This board also governs the five other state colleges and universities.

Created by the General Assembly of 1963, the Board was a recommendation of the Commission for the Expansion of Public Higher Education in Maryland and replaced the State Board of Education as the University's controlling agency.

GRADUATE STUDIES COMMITTEE

The Graduate Studies Committee determines policy for all graduate programs. Graduate curriculum and standards matters are also the responsibility of the Committee. The membership is comprised of the Dean of Graduate Studies, the Chief Academic Officer, and two graduate coordinators appointed by the President, all of whom serve in ex officio, non-voting capacities, and six members of the faculty appointed by the President of the University for overlapping terms of three years. The Committee also includes two graduate student members appointed by the President of the University. The Chairman and Secretary of the Graduate Studies Committee are elected from the membership of the Committee. Meetings are held monthly during the academic year and at other times when necessary.

GRADUATE SCHOOL COORDINATORS

Two Graduate School Coordinators administer all graduate programs. One coordinates the Master of Arts/Master of Science degree programs; the other coordinates the Master of Education degree programs. They both report to the Associate Dean of Graduate Studies. Each graduate program is directed by a departmental coordinator appointed by the appropriate department.

IN-SERVICE EDUCATION AND OFF-CAMPUS CENTERS

A Graduate School Coordinator is responsible for all Graduate School liaison efforts with local boards of education. This Coordinator also administers Graduate School programs in the several "off-campus" centers.

ADVISEMENT

Graduate student advisement is the responsibility of the Dean and Associate Dean of Graduate Studies, the Graduate School and Departmental Coordinators, and faculty members serving the Graduate Staff. Students are encouraged to seek an appointment with one of the Advisory staff. All conferences with advisers should be arranged by appointment and well in advance of Registration dates.

GRADUATE SCHOOL OFFICE HOURS

The Graduate School Office is open each weekday (except for scheduled holidays) from 8:30 a.m. to 5:00 p.m. The office is also open Monday through Thursday evenings until 7:00 p.m. During Registration, the Office is open in the evening according to the Registration schedule. Students may arrange for appointments with the Graduate School staff at other hours. The Graduate School telephone number is 321-2500.

CORRESPONDENCE

All correspondence concerning graduate study should be addressed to:
Dean of Graduate Studies
Towson State University, Baltimore, Maryland 21204

LIBRARY PRIVILEGES

Graduate students are issued University identification cards for borrowing privileges. Books and materials from other libraries in the area may be requested on Inter-Library Loan by graduate students.

| | |
|-------------|-------------------------|
| Mon.-Thurs. | 8:00 a.m. to 10:00 p.m. |
| Fri. | 8:00 a.m. to 5:00 p.m. |
| Sat. | 9:00 a.m. to 5:00 p.m. |
| Sun. | 1:00 p.m. to 9:00 p.m. |

The Faculty Reserve Room is open until midnight Sunday-Thursday.

SCHEDULING OF COURSES

All 500-level and 600-level courses are offered after 4:00 p.m. with the exception of courses in the General Psychology area. Certain General Psychology courses are offered during the morning hours and in the early afternoon.

In all programs there is a limited opportunity to take elective credits at the 300-level and 400-level during the hours prior to 4:00 p.m.

REGISTRATION AND FEES

REGISTRATION

Information concerning registration may be obtained prior to each session in the Graduate Office. Students may avail themselves of the opportunity to register by mail according to Graduate School and the Division of Continuing Studies procedures. Post-baccalaureate students who have never applied for admission and are registering for the first time may take 300-level and 400-level courses for graduate credit by completing the "Application for Admission to Graduate Studies." Registration for 500-level and 600-level courses is contingent upon the granting of Graduate Student standing.

FEES

Tuition and other fees are subject to change without notice by action of the Board of Trustees.

A listing of the various fees follows:

| | |
|---|------------------------|
| Application Fee: a non-refundable fee assessed each student | \$10.00 |
| Tuition: undergraduate, per semester hour | \$32.00 |
| graduate, per semester hour | \$50.00 |
| Athletic Fee: per semester hour; non refundable | \$ 1.50 |
| Registration fee: a non-refundable fee assesses every student each term | \$15.00 |
| General University Fee: a non-refundable fee assessed every on-campus student each term | \$ 9.50 |
| Late Registration Fee: a non-refundable fee assessed every student registering after the dates set for regular registration . . . | \$ 5.00 |
| Change of Course Fee: a non-refundable fee assessed for the addition or subtraction of courses from either the original application or from the registration form | \$ 5.00 |
| Transcript Fee: charged after the first copy | \$ 2.00 |
| Car Registration Fee: an assessment for each student bringing a car on campus (Fall and Spring Semesters) | \$10.00 |
| (Summer Sessions) | \$ 5.00 |
| Final or Make-up Examination Fee: a charge made if an exam- ination is administered at other than the designated time | \$ 5.00 |
| Laboratory Fee: charges for certain courses | see course description |
| Private Music Lessons: | \$50.00 plus tuition |
| Graduate Fee: for Master's Degree Plan A (with Thesis) | \$30.00 |
| Plan B (without Thesis) | \$25.00 |

STUDENT PERSONNEL PROGRAM

Graduate students are welcome to use the facilities and services of the Student Personnel Program. Students are also invited to avail themselves of the many special events presented by the University.

UNIVERSITY UNION

The University Union is located near the Fine Arts Building and Burdick Hall. The University Union in cooperation with the academic departments provides a program of activities in which graduate students are encouraged to participate. These activities are publicized in the weekly calendar of activities, circulated to the departments and posted in the University Union.

The University Union is open Monday through Thursday evenings until midnight; on Friday and Saturday until 1 a.m.; on Sunday noon until 9 p.m. Included in the facility are eight bowling alleys, a T.V. lounge, a snack bar, a music listening room, 16 billiard tables, and showers and lockers for commuting students. The facility also includes the University Store, a large cafeteria, a meditation room, a central lounge, an art gallery and a special dining room. Facilities are available for all types of conferences and meetings. The Food Service area includes catering for any type of event from coffee and donuts to a gourmet dinner. Organizational offices and meeting spaces are included in the University Union. Graduate students are encouraged to use the facilities.

UNIVERSITY STORE

The University Store is located in the University Union. Classroom supplies, phonograph records, hard-back and paper-back books, gifts, magazines, as well as sundry personal items are stocked.

TICKET BOX OFFICE

The Ticket Box Office located in the University Union provides a discount ticket service for most of the local dinner theaters and movie theaters and other community activities. The office also handles all tickets necessary for our campus events. The manager's telephone number is 321-2244.

HEALTH CENTER

The Anita Dowell Health Center is located northeast of Linthicum Hall. It is open week days from 7 a.m. to 8 p.m. and thereafter for emergencies. It is open from 7 a.m. to 3 p.m. Saturdays and Sundays. First aid is administered and appropriate referrals are made. All accidents on campus should be reported to the Health Center immediately. A mental health service is available for students seeking psychiatric help.

FINANCIAL AID

The Graduate School at Towson State University offers a limited number of Graduate Assistantships each year to qualified students recommended by the appropriate department. The stipend for the Graduate Assistantship is \$2,500.00 plus remission of tuition fees. The student is required to provide appropriate work for the academic department each week during the semesters in which the Assistantship is in effect. Application forms for the Assistantship may be obtained in the Graduate Office. Detailed information may be obtained by writing to the Dean of Graduate Studies.

Financial aid is also available to post-baccalaureate students from State and Federal programs. Information on the following programs may be obtained from the Financial Aid Office.

FEDERAL AID PROGRAMS

The National Direct Student Loan Program—NDSL (formerly National Defense Student Loan) makes loans available to graduate students who have proven financial need. Loans may range up to \$2500 per year for graduate students depending on the school's available funds. There is no interest charge on this loan as long as the student continues in at least half-time status, but there is interest of 3% beginning nine months after the student graduates or discontinues attendance. Special education teachers and teachers teaching in economically and culturally deprived areas may receive up to 100% cancellation. Recipients of NDSL funds through the University are required to have an exit interview. During this brief meeting between a financial aid counselor and the borrower, provision of repayment and student privileges will be detailed.

The College Work-Study Program (CWS) makes jobs available to students with exceptional financial need. These jobs are usually assigned as part of the "Financial Aid Package." If at all possible, students are placed in positions that are related to their academic major or special interest. Wages range from \$2.90 (minimum) to \$4.00 per hour and student employees are paid every two weeks. Recipients are limited by their financial need in the amount they may earn.

To apply for the above Federal aid programs, students must complete and mail the Financial Aid Form (FAF) to the College Scholarship Service with instructions that the information be sent to Towson State University. The FAF application fee is \$4.75 (subject to change) and may be obtained from the Towson State University Financial Aid Office. In addition, a TSU Financial Aid Application (Form A) must be obtained and filed directly with the TSU Financial Aid Office. All forms (FAF and Form A) must be received in Towson's Financial Aid Office no later than April 1, 1981 for first consideration. (Please allow 4-6 weeks for processing of the FAF application by the College Scholarship Service in meeting the April 1 deadline.) Applications received after April 1 are considered on a remaining Funds basis only.

STATE LOAN PROGRAMS

The Guaranteed Loan Program as operated in most states provides up to \$5,000 per year for graduate students. The Federal Government pays the 7% interest for students while they are in college. Repayment of the loan begins nine months after the student's departure from the University. Applications may be received from and must be processed by the Financial Aid Office before final arrangements for the loans are made with the bank or lending institution. Out-of-state students may obtain applications from their local banks or lending institution.

RESIDENCE ON AND OFF CAMPUS

There is no provision to house graduate students on campus. The Director of Residence provides listings of off-campus accommodations. Arrangements for conferences with the Director should be made in advance by telephone.

GENERAL COUNSELING

Services of trained counselors in the Counseling Center are available to students who feel themselves to be in need of assistance in making personal, educational or career decisions. In a confidential and accepting climate, the student is afforded the opportunity to gain deeper insight into his needs and goals.

In addition to individual counseling, the Center offers a program of group counseling, limited testing facilities, and extensive vocational and educational information.

The Center staff participates in student and faculty activities which are concerned with the mental health of the university community.

PARKING

The operation and possession of motor vehicles in the Towson community and the use of campus parking facilities are privileges extended to all University personnel (faculty, staff, and students). These privileges carry with them the obligation to observe all regulations.

The map on the cover of this bulletin designates the parking areas for faculty, staff, and students. Student parking permits cost from \$5 to \$6.50 (see Registration and Fees) and may be obtained when other registration fees are paid.

VETERANS' AFFAIRS

The Office of Veterans' Affairs (OVA) provides coordination between veteran/dependent students and the Baltimore Regional Office of the Veterans Administration. The OVA establishes procedures and prepares forms and correspondence so that eligible students can receive their educational benefits. Additionally, it monitors class attendance and evaluates academic progress to ensure that satisfactory progress of those receiving-benefits is maintained. It also supervises the employment of VA work-study students.

Students taking courses at another institution concurrently with courses at Towson State may be certified for both institutions by the Towson OVA.

Students may visit the OVA daily from 8:30 a.m.-4:30 p.m. without appointments.

The normal time for processing an enrollment certification is six weeks. Certification is not automatic. The proper VA forms must be completed for each semester. It is the responsibility of the individual to apply for educational benefits at the OVA and to notify the OVA when entitlement to benefits changes, or when a change from a degree program or to the number of credits being pursued occurs.

The purpose of veterans' benefits at Towson State University is to permit those eligible for the benefits to obtain degrees. It is imperative, therefore, that each veteran be either a degree candidate or in a VA-approved program.

Academic Regulations Governing Graduate and Post-Baccalaureate Study

GENERAL ADMISSIONS POLICY

Admission to the Graduate School at Towson State University is granted to all applicants whose academic and personal qualifications give promise of success in graduate study. The applicant must hold a baccalaureate degree from a regionally accredited college or university or one accredited by the Maryland State Department of Education.

All students seeking admission to a graduate degree program or to take courses carrying graduate credit must file an "Application for Admission to Graduate Studies" prior to first enrollment and have official transcripts of all college work sent to the Graduate School. Transcripts must be sent directly from the institutions attended to the Graduate Office at Towson State University. Programs have the option of requiring additional admissions devices (including letters of recommendation, the Graduate Record Examination, Aptitude and/or Advanced Tests and the Miller Analogies).

ADMISSION TO COURSES FOR GRADUATE CREDIT

An applicant for admission to courses for graduate credit (classification: Graduate Student) must meet admission requirements in one of two ways: 1) by holding a Master's or Doctor's degree from a regionally accredited college or university, or 2) by holding a Bachelor's degree from a regionally accredited college or university with a grade average of 3.00 ("B") and satisfactory attainment on all additional admissions devices required by the program. At the option of the coordinator and the Department Graduate Committee the grade average requirement may be satisfied by a 3.00 cumulative average or by a 3.00 average in the most recent 60 credits on the applicant's baccalaureate record. The quality of graduate work taken beyond the Bachelor's degree, either as post-baccalaureate (non-graduate credit) courses or graduate credit courses, will be evaluated as part of the undergraduate record.

Students denied admission because of a low academic average (2.0-2.29) may register for courses as non-degree students, and may take upper division courses at the 300 and 400 levels in order to raise the cumulative average to a 2.3. At such time the student may again apply for admission. A student with a cumulative average between 2.0 and 2.29 may also become eligible for Conditional Admission by attaining a score of 1,500 or higher on the Aptitude portion of the Graduate Record Examination.

All required application credentials (see General Admissions Policy) must be filed with the Dean of Graduate Studies no later than July 15 for the Fall Semester, November 15 for the Spring Semester, and March 15 for the Summer Session to be considered for admission. Those who are admitted as Graduate Students may register for courses numbered 100-699, but will receive graduate credit only in graduate level courses numbered 300-699 completed with grades of "C" or better. Some 300-level and 400-level courses do not carry graduate credit and are not listed in the Graduate Bulletin. In order to maintain the classification of Graduate Student, a good academic record must be achieved even if the student is not in a degree program.

CONDITIONAL ADMISSION

Conditional admission may be granted to those students whose academic achievement falls short of the standards required for Graduate Student standing, if one of the following requirements is met:

- 1) Academic average in collegiate work—at least 2.30 in one or more of the areas of the student's record listed above in "ADMISSION TO COURSES FOR GRADUATE CREDIT"
- 2) Academic average in collegiate work—at least 2.0 in one or more of the areas of the student's record listed above in "ADMISSION TO COURSES FOR GRADUATE CREDIT"—and a score of 1,500 or higher on the Aptitude portion of the Graduate Record Examination.

The Conditional Admission Procedures of the Graduate School are as follows:

- 1) Each program has the option of specifying two or three courses (minimum of six credits) for completion of conditional admission. Each program must be consistent in the utilization of either two or three courses.
 - 2) Courses for conditional admission must be specified by the Coordinator and may be at the 300-500 levels.
 - 3) A permit to register for conditional admission courses at the 500 level will be mailed to the student with the letter of admission. This will enable the student to utilize mail registration.
 - 4) Registration for additional 500-level or 600-level courses will not be permitted until the student receives full admission.
 - 5) Conditional admission courses must be completed with the grade of "A" or "B" within a period of one year and may not be repeated.
- Students admitted conditionally are enrolled as Non-graduate Students.

GRADUATE WORK BY SENIORS AT TOWSON STATE UNIVERSITY

Seniors in their last semester of work at Towson State University may register for a maximum of six credit hours in the Graduate School if they meet the following requirements: 1) the graduate courses must be in excess of the credits required for the Bachelor's degree; 2) a letter sent from the student to the Dean of Graduate Studies requesting graduate student classification (which requires a 3.00 average), submitted in advance for specific graduate courses (by July 15 for the Fall Semester, November 15 for the Spring Semester, and March 15 for the Summer Session), must be approved by the dean and the appropriate graduate departmental coordinator; 3) all required application credentials must be submitted (see General Admissions Policy) and the student must be granted Graduate Student Standing prior to initiation of further course work; 4) the courses may be transferred to the student's graduate record after the student has been advanced to candidacy in the degree program.

NON-DEGREE STUDENTS

Students who do not meet the standards required for classification as graduate students are permitted to register with the classification of non-graduate student. Those students receiving non-graduate standing are eligible to take courses from the 100 level through the 400 level, but may receive graduate credit only in courses numbered 300-499 and listed in the current bulletin as "Undergraduate and Graduate."

Students who believe they can meet the admission requirements for Graduate Student standing but who fail to file the required application credentials in advance must register as non-graduate for the semester. However, they will be considered for admission to graduate student standing if their application credentials are received by the graduate school before the end of the first quarter of the semester. If they are admitted to graduate student standing they will then be permitted to receive degree credit for satisfactory completion of any 300-level and 400-level graduate courses that have been taken for graduate credit, provided the courses are applicable to the degree program.

CANDIDATES FOR DEGREES AT OTHER INSTITUTIONS

Students who are candidates for an advanced degree at another college or university may enroll as a graduate student at Towson State University for occasional work. They must present, at least two weeks before registration, a letter from the graduate dean of their parent institution indicating that they are in good standing and that credit earned at Towson State University is acceptable toward their degree.

ADMISSION PRIOR TO RECEIVING BACCALAUREATE DEGREE

Admission may be granted to seniors in their last semester of work whose required application credentials are incomplete because the baccalaureate degree has not yet been conferred. Evaluation will be made on the basis of their undergraduate work through the first semester of the senior year. Standing granted in the pre-degree category can be made by the Graduate Program Coordinator, enabling the student to begin work in courses carrying graduate credit immediately upon completion of the senior year. The applicants must have all application credentials completed during the first month after classes begin in the semester in which they initiate their course work. Admission standing is subject to cancellation or change if the admission credentials remain incomplete or do not meet the requirements for admission.

FOREIGN APPLICANTS

Admission should be sought at least six months prior to the date of anticipated enrollment. All required admission credentials must be received in the Graduate Office prior to evaluation for admission.

Credentials required are:

1. An application for admission to graduate studies.
2. Officials or certified true copies of all grade reports, diplomas, and academic records attesting to the completion of undergraduate work.
3. A letter from the student stating plans for attending, and reasons for selecting, Towson State University.
4. A financial summary stating amounts and sources of support for the proposed duration of study.
5. Acceptable scores on the Test of English as a Foreign Language (TOEFL). Information about the TOEFL may be obtained from TOEFL, Educational Testing Service, Princeton, New Jersey 08540.

GRADING SYSTEM

A four-point system is used to identify quality of academic work. The letter "A" designates work of superior quality; "B" work of good quality; "C" work of satisfactory quality; "D" work of less than satisfactory quality and not allowable for degree credit; "F" work of such unsatisfactory quality that no credit is given.

A mark of "I" (incomplete because of illness or other reason beyond control of student) at the end of a semester carries no credit. Unless such a course is satisfactorily completed by the last day of the next regular semester, the grade for the course becomes "F." It is the responsibility of the student to make arrangements to complete course requirements for removal of the "I."

In computation of grade point averages, the following quality point values are used:

A—4 quality points

B—3 quality points

C—2 quality points

D—1 quality point

F, FX—0 quality points

Students may repeat any course only once, whether acceptable credit has been earned or a mark of "F" or "FX" has been awarded. The mark of "W" (withdrawn) will not replace a previously awarded grade. When the course is repeated, the student will receive the credits for the course counted once and the higher of the two grades. Upon completion of the repeated course, a change of grade form must be submitted to the Registrar by the student. The lower mark earned will not be retained on the student's permanent record.

REQUIREMENTS FOR THE MASTER'S DEGREE

1. Satisfactory completion of all undergraduate requirements listed as prerequisites for the degree.
2. Filing of a program of study with the dean of graduate studies.
3. Advancement to degree candidacy.
4. At least one course taken after the semester in which the student has been advanced to degree candidacy.
5. A 3.00 average in all graduate work at Towson State University.
6. Satisfactory completion of the comprehensive examination if required by the program in which the degree is sought.
7. Satisfactory completion of the thesis and thesis defense if the thesis option is selected.
8. Filing of the diploma card in the graduate school.

TIME LIMITATION

All requirements for the Master's degree are to be completed within a seven-year period. The scheduled time is determined from the date of the first course in the degree program at Towson State University, or the date of any course allowed transfer credit, whichever is earlier.

CONTINUOUS ENROLLMENT

Each student is expected to register for courses on a regular basis. Should there be a lapse of two academic years without courses being taken, the student's records will be inactivated. Once a student has become "inactive," he/she must be reactivated under current policies when he/she returns to Towson State University.

PROGRAM OF STUDY

A program of study should be planned within the semester that the student is granted graduate student standing. The program is to be completed in consultation with an advisor and must be drawn up on forms provided by the appropriate graduate coordinator. A maximum of nine credits at the 300 and/or 400 level taken for graduate credit may be included in the program of study. Revision of the program of study may be accomplished only with the the advisor's approval. The program must be planned prior to advancement to degree candidacy.

Courses taken prior to the planning of the program of study are subject to the approval of the appropriate graduate coordinator. Courses taken by an undergraduate student and courses taken by a post-baccalaureate student for undergraduate credit may not be repeated for graduate degree credit.

ADVANCEMENT TO DEGREE CANDIDACY

All students in programs leading to the Master's degree must attain advancement to degree candidacy. An application for advancement to degree candidacy should be made by graduate students after nine hours of graduate courses have been completed and prior to the completion of fifteen graduate hours. The following requirements govern eligibility for advancement to degree candidacy:

1. Six credits in 500-level and 600-level courses.
2. A 3.00 average in all graduate work at Towson State University.
3. Successful completion of the advancement to degree candidacy examination.
4. The filing of a program of study with the dean of graduate studies.
5. Completion of all undergraduate requirements listed as prerequisites for the degree.

All students are urged to meet the requirements of, and to make application for, advancement to degree candidacy within the 9- to 15-hour framework. Advancement to degree candidacy must be attained at least one semester prior to the semester in which the student will graduate (prior to January 1 for June graduation, prior to June 1 for September graduation, and prior to September 1 for December graduation).

6. In all programs there will be at least one course for which the student may not register until advanced to degree candidacy.

ADVANCEMENT TO DEGREE CANDIDACY EXAMINATION

Each student must successfully pass a written examination prior to advancement to degree candidacy. The purpose of the advancement to degree candidacy examination is to assess student writing competency and to determine the ability to develop program mastery. It also should evaluate a sampling of program content. In certain programs the examination may also include an oral portion to be administered after the written part has been passed. Application for the examination must be made prior to the date established as the deadline for applying, as stated in the calendar at the front of this bulletin. Should the student not take the examination or have to repeat it, the application must again be submitted during the semester in which the examination is to be repeated.

In the program leading to the Master's degree in Instructional Technology, the examination requirement may be satisfied by completing 0601.585, "Seminar in Instructional Technology," with the grade of "B" or higher. The programs in Early Childhood Education, Elementary Education, and Secondary Education allow satisfaction of the examination requirement if 0801.501, "Educational Ideas in Historical Perspective," is completed with the grade of "B" or higher. The written advancement to degree candidacy examination is required in all cases where the grade of "A" or "B" is not attained when the course is first taken. In the program leading to the Master's degree in General Studies, the examination requirement may be satisfied by completing 4901.501, "The Introductory Seminar in General Studies," with a grade of "B" or higher. The student who receives less than "B" is required to remedy major deficiencies revealed by the course. This remedy may be in the form of additional course work, including independent study. When the student satisfactorily fulfills the requirements of the plan, the requirements for advancement are considered completed. The dates for applying to take the advancement examination and the dates of the examinations are to be found in the Academic Calendar on the first page of the Bulletin.

COMPREHENSIVE EXAMINATION

It is the option of each program to require a final comprehensive examination. This examination cannot be taken earlier than the term during which the student will complete all course work for the degree. The examination may be repeated only once. Application for the examination must be made prior to the date established as the deadline for applying, as stated in the calendar at the front of this bulletin. Should the student not take the examination or have to repeat it, an application must again be submitted during the semester in which the examination is to be repeated.

ACADEMIC PROBATION

In order to remain in good standing, a candidate for the Master's degree must maintain a 3.00 average in all courses (degree and non-degree) taken for graduate credit. If the cumulative average falls below 3.00, the student will be placed on probation.

A student placed on academic probation while in one program may transfer to another program, but will enter that program on academic probation unless all courses taken prior to admission to the second program were utilized in developing the average for admission.

A student on probation may be removed from probation by repeating the course or courses and restoring the average to 3.00, or by raising the average to a 3.00 by taking from 3 to 9 additional credits, or by a combination of the above. If a student has still failed to raise the cumulative average to 3.00 after 9 additional hours, he/she is then dropped from the program and additional repeats of courses will not restore him/her to good standing.

After a student has been academically dismissed from a degree program because of a low cumulative average, the student may apply to another degree program. No courses prior to and including the semester in which the students fell below a 3.0 average may be utilized toward a degree.

A student on probation will not be permitted to take the written advancement to degree candidacy examination or the comprehensive examination leading to any degree. Required courses in which the candidate earns a grade of "D" must be repeated, since the grade does not confer graduate credit.

WORKSHOP UPPER DIVISION COURSES AND INDEPENDENT STUDY LIMITATIONS

In all degree programs, a limit of twelve total semester hours is placed on workshops, independent study, travel and study, directed reading, or other special-format courses. No more than six semester hours may be taken in any one format.

A maximum of nine hours of courses at the 300/400 levels may be permitted in a Master's degree program.

COURSE LOAD

A student who registers for nine graduate credit hours is considered a full-time student. One who takes fewer hours is designated a part-time student. The maximum load for full-time students is twelve credit hours.

THESIS PROCEDURE

Students intending to write a thesis as partial fulfillment of the requirements for the degree should obtain the brochure "Thesis Procedure" from the graduate office. The following requirements must be met prior to approval of registration for the appropriate thesis course:

1. The student must meet with the graduate departmental coordinator to select a research advisor.
2. A thesis topic must be agreed upon.
3. The student must discuss the suggested members of the thesis committee with a graduate coordinator and the research advisor.
4. The committee must agree upon, and the student obtain all appropriate signatures on the thesis committee approval form.
5. The student must submit the thesis committee approval form to the office of the dean of graduate studies.
6. The student must prepare a thesis proposal and submit copies to all members of the thesis committee.
7. The student and his advisor must schedule a meeting of the full committee and the student orally present and defend the proposal.
8. The accepted proposal must be filed with the office of the dean of graduate studies.
9. The student must begin research.
10. At the next registration for courses, the student must register for the appropriate thesis course.

TRANSFER CREDIT

The following regulations govern the transfer of credits from other regionally accredited colleges:

1. Required courses in a program must be completed at Towson State University.
2. Transfer credits, regardless of level, may not be used to meet the 500-and 600-level requirements of the graduate program.
3. A maximum of twelve transfer credits may be allowed for graduate work satisfactorily completed at the following institutions: Bowie State College, Coppin State College, Frostburg State College, Salisbury State College, Morgan State University, and the University of Baltimore.
4. A maximum of six transfer credits may be allowed for graduate work satisfactorily completed at accredited institutions other than those listed in No. 1 above.
5. A maximum of twelve credits may be allowed for work successfully completed in the formal educational experiences sponsored by State and local Boards of Education. See "Credit for In-service Experiences."
6. The total accumulation of transfer credits listed in Nos. 1, 2, and 3 above may not exceed twelve.
7. Application for transfer of courses taken prior to admission may be made after the student attains "graduate student" standing. Transfer of courses taken prior to admission may be allowed if the student is initially admitted to graduate student standing at Towson State University and if the courses were taken for graduate credit.

8. Transfer of credit after a student has been admitted to the graduate school at Towson State University may be permitted if the student applies in writing to the dean of graduate studies for permission prior to taking a course. Approval will be granted if the course is approved for the student's program and if the course is not offered by Towson State University during the period of the student's attendance.
9. All transfer credits must be completed with a grade of "B" or higher, and must be achieved within the total span of seven years allowed for completion of the degree requirements.
10. Transfer credits will not be used in computing academic averages. The courses will appear on the Towson State University transcript with the title and credits earned, and without grades earned.



CHANGE FROM ONE DEGREE PROGRAM TO A SECOND PROGRAM

Students in the Graduate School at Towson State University may not be enrolled in two Master's degree programs concurrently. A student may request a change of program at any time subject to the following understandings:

1. That the student must complete an Action Request Form or write a letter to the Dean of Graduate Studies requesting a change of programs.
2. That the standing granted in the original program is no longer in effect and that the student is evaluated as are other applicants.
3. That the standing granted in one program does not guarantee similar standing in a second program.
4. That the student has the right to return to the first program without restrictions if he/she requests the return during the 60 days immediately following the request to change programs.
5. That the student may return to the original program after the 60 day period subject to admission policies in effect at the time the student reapplies.

CREDIT FOR IN-SERVICE EXPERIENCES

A student applying for a graduate degree program in Early Childhood Education, Elementary Education, Secondary Education, or Reading may request degree credit for formal educational experiences taken beyond the baccalaureate degree if such experiences were sponsored by State or local Boards of Education in Maryland. Application for evaluation of experiences must be made by the student to the dean of graduate studies. The application must be accompanied by a portfolio of documentary evidence that attests to the quality of the experience for which credit is sought. Procedures pertaining to the evaluative process, as well as guidelines to assist the student in the preparation of the course portfolio, may be secured from the office of the dean of graduate studies. A nonrefundable \$10 fee will be charged to the student for the evaluation of each course. An additional fee will be charged for each credit accepted.

APPLICATION FOR GRADUATION

Each student must make application for graduation by submitting the graduate school diploma card and paying the appropriate graduate fee. The diploma card must be submitted by the published deadline date in the Academic Calendar on page 1 of this Bulletin. Students submitting the diploma card late must delay graduation for one semester.

If the student does not graduate at the indicated time, the diploma card must again be submitted during the semester in which graduation is desired. The graduation fee will be required with the first submission of the diploma card, but not with subsequent submissions.

GRADUATE PROGRAMS

PROGRAMS AND PURPOSES

The Master of Arts degrees in Psychology, Geography and Environmental Planning and Mass Communication and the Master of Science degrees in Health Science, Instructional Technology, Biology, and Speech-Language Pathology and Audiology are intended to develop specific knowledge in the respective fields. It is the intent of these programs to enable students to meet their needs through the flexibility offered in each program. The Master of arts degree in General Studies is planned for the student seeking an interdisciplinary degree and is designed to meet individual needs.

The programs leading to the Master of Education degree have been developed primarily to help teachers increase their competency in the following general areas:

- Art Education
- Early Childhood Education
- Elementary Education
- Music Education
- Reading
- Secondary Education

THE M.A. IN GENERAL STUDIES

The Master of Arts degree in General Studies is an interdisciplinary degree designed to meet the individual student's needs. The degree program will provide the student seeking an advanced degree with the opportunity to extend knowledge and to develop competencies in areas of specific interest. The intent of the program is to ensure breadth; however, the student seeking a disciplinary orientation can develop a program of study with a maximum of 18 hours in the desired discipline: the program is offered by Towson State University in cooperation with Morgan State University. In the cases of the program of study in History and Religion, and Philosophy and Religion, 12 hours will be taken at the Ecumenical Institute instead of at Morgan State University.

REQUIREMENTS

1. Undergraduate Requirement—Bachelor's degree from an accredited college or university.
2. Course Requirements for the Degree (minimum 36 hours)
 - a. Required Courses
 - 1) GEST 4901.501, Introductory Seminar in General Studies (3 hr.)
This course must be taken within the first nine hours of degree work.
 - 2) GEST 4901.502, Culminating Seminar in General Studies (3 hr.)
This course must be taken during the last semester of the degree program.
 - b. Planned Elective Courses (30 hr.)
 - 1) The elective credits must be approved for the student's program of study in advance of enrollment for the courses.
 - 2) At least 21 of the elective credits must be taken at the 500- or 600-levels.

- 3) Twelve hours must be taken in the Graduate School at Morgan State University.
- 4) No more than 18 of the elective credits may be taken in any single discipline.

THE M.A. IN GEOGRAPHY AND ENVIRONMENTAL PLANNING

The Master of Arts degree program in Geography and Environmental Planning is designed to prepare students for doctoral programs as well as career opportunities in private business, academic subjects, and public agencies. The program is oriented toward applied geography, and presents possibilities for a concentration in the following areas: urban-regional planning, urban studies, public policy issues, physical geography, economic development, environmental assessment, energy resources, cultural-historical geography, medical geography, population, area studies, and cartography.

The department also participates in a number of interdisciplinary programs and cooperates closely with programs in health science, biology, physics, education, economics, and sociology. Graduate students in Geography and Environmental Planning are encouraged to take pertinent coursework in other departments.

Requirements

1. Undergraduate Requirements
 - a. An undergraduate minor in Geography or the equivalent in related courses and/or professional experience.
 - b. A "B" grade average in the Geography courses presented for admission.
2. Requirements for the Degree

A program of study will be prepared by each student in consultation with his/her advisor. All students must present evidence of at least four semesters of college-level competency in one foreign language or present evidence of quantitative competency. Successful completion of Geog. 2206.375, Quantitative Methods in Geography (or an approved equivalent), plus at least one other approved course in statistics or computer techniques are assumed to constitute quantitative competency. Students may elect one of the following two plans of study:

 - a. Plan A. Master of Arts with Thesis, includes:
 - 1) Completion of a total of at least 30 semester hours of prescribed and elective course work in geography, 6 of which will be met by a thesis.
 - 2) At least 21 semester hours in Geography earned at the 500- and 600-levels.
 - 3) A thesis in Geography which demonstrates the ability to do independent research.
 - 4) Course Requirements for the degree
 - (1) GEOG 2206.521 (3 hr.)
 - (2) GEOG 2206.699 (Thesis) (6 hr.)
 - (3) Electives (planned with advisor) (21 hr.)
 - b. Plan B. Master of Arts with Thesis, requires:
 - 1) Completion of at least 36 semester hours of prescribed and elective course work in Geography
 - 2) At least 24 semester hours in Geography earned at the 500- and 600-levels.

- 3) Course Requirements for the degree
 - (1) GEOG 2206.521 (3 hr.)
 - (2) Electives (planned with advisor) (33 hr.)
3. Advancement to Candidacy Examination.
 An examination is required for advancement to degree candidacy. The examination may be taken after the completion of 9 semester hours (6 hours of which must be at the 500-600 levels) but should not be taken later than the semester following the one in which 15 hours are completed. Part of the examination may be conducted orally.
4. Comprehensive Examination
 A comprehensive examination is required at the conclusion of all other degree requirements in this field (normally this will be an oral examination.)

THE M.A. IN MASS COMMUNICATION

The Master of Arts Degree in Mass Communication is structured to integrate communicology, film, journalism, public relations, radio and television. By emphasizing the interrelationships and interactions of various media, the program is modeled upon an holistic design.

Students who complete the Master of Arts degree in Mass Communication should develop an in-depth knowledge of the history, philosophy, research methods and professional media skills appropriate to their academic pursuits and career goals.

The Master of Arts Degree in Mass Communication will be implemented during the Spring Semester of 1981.

Requirements

1. Undergraduate requirements
 - a. A Bachelor's Degree in Mass Communication
or
 - b. A minimum of 24 credits of course work in mass communication or 24 credits of mass communication related courses approved by the graduate coordinator in mass communication. These courses/credits must include representation in three of the following areas: communicology, film, journalism, public relations, radio, television, English, psychology or business administration.
2. Requirements for the degree - they may be met by completing either of the following plans of study.

Plan A. Master of Arts with Thesis

1. Completion of a total of 30 semester hours including no more than 6 semester hours for the thesis. A minimum of 21 hours must be earned at the 500/600 levels. The remaining credit hours may be selected from 400, 500 or 600 levels.
2. At least 15 semester hours must be earned at the 500-600 levels from core concentration courses.
3. Completion of elective courses selected from courses approved by the Graduate Advisor.
4. Advancement to Degree Candidacy Examination. The examination may be taken after completion of 9 semester hours, (6 of which must be at the 500 and 600 levels, and should not be taken later than the semester following the one in which 15 hours are completed. Part of the examination may be conducted orally.

5. A thesis in Mass Communication which demonstrates the student's ability to do independent research.
6. A final Comprehensive Examination is required.
 - a. Written Comprehensive Examination (4 hours)
 - b. Oral Comprehensive Examination (2 hours)
7. An oral defense of submitted thesis

Plan B. Master of Arts without Thesis.

1. Completion of a minimum of 33 semester hours, 24 of which must be earned at the 500-600 levels. The remaining credit hours may be selected from 400, 500 or 600 levels.
2. At least 15 semester hours must be earned at the 500-600 levels from core concentration courses.
3. Completion of elective courses selected from courses approved by the Graduate Advisor.
4. Advancement to Degree Candidacy Examination. The examination may be taken after completion of 9 semester hours, (6 of which must be at the 500 and 600 levels) and should not be taken later than the semester following the one in which 15 hours are completed. Part of the examination may be conducted orally.
5. A final Comprehensive Examination is required.
 - a. Written Comprehensive Examination (4 hours)
 - b. Oral Comprehensive Examination (2 hours)

THE M.A. IN PSYCHOLOGY

The Master of Arts degree program in Psychology offers the student an opportunity of in-depth specialization in four specific psychological areas. These areas are Clinical Psychology, Counseling, General Psychology and School Psychology. Each of these is described below in detail with reference to objectives and requirements.

CLINICAL PSYCHOLOGY

The area of clinical psychology aims primarily at training a core of M.A.-level psychologists for employment in state and other nonprofit organizations. These psychologists will be able to provide services to patients and clients under the direct and continuing supervision of psychologists certified by the State Board of Examiners of Psychologists and a medical staff. The program also seeks to prepare students for further graduate study in psychology.

Requirements

1. Undergraduate Requirements in Psychology (total 24 hours)
 - a. Courses in the following areas:
 - 1) General Psychology (3 hr.)
 - 2) Child Psychology (3 hr.)
 - 3) Adolescent Psychology (3 hr.)
 - 4) Abnormal Psychology (3 hr.)
 - 5) Personality (3 hr.)
 - 6) Behavioral Statistics (3 hr.)
 - 7) Tests and Measurements (3 hr.)
 - 8) Experimental Psychology or Learning (3 hr.)

NOTE: These courses cannot be used to meet part of the formal elective requirements for the degree as defined in Paragraph 2 below.

- a. Acceptable performance on the aptitude test of the Graduate Record Examination.
 - b. An interview with the coordinator of the clinical psychology area
 - c. Two letters of recommendation
2. Course Requirements for the degree may be met by completing either one of the following plans of study:
1. Plan A: Master of Arts without Thesis (Minimum 39 hours)
 - 1) Required Courses
 - *a) PSYC 2001.531 Advanced Abnormal Psychology (3 hr.)
 - *b) PSYC 2001.520 Individual Intelligence Testing (3 hr.)
 - *c) PSYC 2001.591 Projective Techniques I (3 hr.)
 - d) PSYC 2001.592 Projective Techniques II (3 hr.)
 - e) PSYC 2001.565 Psychotherapy and Behavior Change I (3 hr.)
 - f) PSYC 2001.566 Psychotherapy and Behavior Change II (3 hr.)
 - g) PSYC 2001.553 Research Issues in School / Clinical Psychology (3 hr.)
 - h) PSYC 2001.551 Techniques of Group Intervention (3 hr.)
 - i) PSYC 2001.690 Seminar in School/Clinical Psychology (3 hr.)
 - j) PSYC 2001.597 Practicum in Clinical Psychology (3 hr.)
 - k) PSYC 2001.652 Internship in School/Clinical Psychology (3 hr.)
 - 2) Electives—Six hours of courses are elected by the student from within or outside the field of psychology to complement the program of study. Such courses must have prior written consent of the area coordinator.
 - b. Plan B: Master of Arts with Thesis (Minimum 39 hours)
 - 1) Required courses are identical to those in Plan A
 - 2) One elective is dropped to permit registration for the thesis course, PSYC 2001.699 (3 hr.)

NOTE: A final comprehensive examination is required; additionally, the internship carries with it a residency requirement of one semester. The student must be available for placement in a clinical setting.

COUNSELING

The purpose of the counseling area is to develop professionally responsible individuals who are capable of facilitating a counselee's personal growth and development. He/she is trained to help the client to explore educational, vocational and personal goals, and seeks to facilitate the counselee's development of a meaningful course of action in these areas. The training program requires an understanding of psychological principles and reflects professional practices and responsibilities consistent with current research findings. The student has the opportunity to select a concentration in counseling from:

- a. Elementary School Counseling
- b. Secondary School Counseling
- c. Career Counseling
- d. Community Counseling
- e. Rehabilitation Counseling

Requirements

1. Undergraduate Requirements
 - a. Courses in the following areas:
 - 1) General Psychology (3 hr.)
 - 2) Behavioral Statistics (3 hr.)
 - 3) Introduction to Tests and Measurements (3 hr.)
 - b. Acceptable achievement on the Miller Analogies Test
2. Additional Undergraduate Requirements in Psychology (3 hr.)
 - a. For students applying for Elementary School Counseling Concentration: Child Psychology (3 hr.)
 - b. For students applying for Secondary School Counseling Concentration: Adolescent Psychology (3 hr.)
 - c. For students applying for Career Counseling Concentration: Child or Adolescent Psychology (3 hr.)
 - d. For students applying for Community Counseling Concentration and Rehabilitation Counseling Concentration: Abnormal Psychology (3 hr.)

* Courses must be completed or in progress prior to advancement to candidacy examination.

3. Course Requirements for the degree (Minimum 39 hours)
 - a. Required courses for all candidates (12 hr.)
 - 1) PSYC 2001.515 Introduction to Research Methods in Counseling (3 hr.)
 - 2) PSYC 2001.425 Introduction to the Helping Relationship (3 hr.)
 - 3) PSYC 2001.430 Systems and Techniques of Counseling Practice (3 hr.)
 - 4) PSYC 2001.621 Group Counseling (3 hr.)
 - b. For students whose goals are related to Elementary School Counseling the following courses are required:
 - 1) PSYC 2001.509 Counseling Psychology—Pre Practicum (3 hr.)
 - 2) PSYC 2001.511 Developmental Psychology (3 hr.)
 - 3) PSYC 2001.515 Introduction to Research Methods (3 hr.)
 - 4) PSYC 2001.605 Principles of Guidance (3 hr.)
 - 5) PSYC 2001.606 Introduction to Career Development (3 hr.)
 - 6) PSYC 2001.611 Analysis of the Individual (3 hr.)
 - 7) PSYC 2001.621 Group Techniques in Counseling (3 hr.)
 - 8) PSYC 2001.630 Counseling the Elementary School Child (3 hr.)
 - 9) PSYC 2001.645 Counseling Practicum I (3 hr.)
 - 10) PSYC 2001.646 Counseling Practicum II (3 hr.)
 - 11) Elective or Thesis (3 hr.)
 - c. For students whose goals are related to Secondary School Counseling, the following courses are required:
 - 1) PSYC 2001.509 Counseling Psychology—Pre Practicum (3 hr.)
 - 2) PSYC 2001.511 Developmental Psychology (3 hr.)
 - 3) PSYC 2001.515 Introduction to Research Methods (3 hr.)
 - 4) PSYC 2001.605 Principles of Guidance (3 hr.)
 - 5) PSYC 2001.606 Introduction to Career Development (3 hr.)
 - 6) PSYC 2001.611 Analysis of the Individual (3 hr.)
 - 7) PSYC 2001.621 Group Techniques in Counseling (3 hr.)

- 8) PSYC 2001.627 Use of Tests in Counseling (3 hr.)
 - 9) PSYC 2001.645 Counseling Practicum I (3 hr.)
 - 10) PSYC 2001.646 Counseling Practicum II (3 hr.)
 - 11) Elective or Thesis (3 hr.)
- d. For students whose goals are related to Career Counseling, the following courses are required:
- 1) PSYC 2001.515 Introduction to Research Methods (3 hr.)
 - 2) PSYC 2001.605 Principles of Guidance (3 hr.)
 - 3) PSYC 2001.606 Introduction to Career Development (3 hr.)
 - 4) PSYC 2001.607 Information Service in Guidance and Counseling (3 hr.)
 - 5) PSYC 2001.608 Media in Career Education (3 hr.)
 - 6) PSYC 2001.611 Analysis of the Individual (3 hr.)
 - 7) PSYC 2001.621 Group Techniques in Counseling (3 hr.)
 - 8) PSYC 2001.627 Use of Tests in Counseling (3 hr.)
 - 9) PSYC 2001.645 Counseling Practicum I (3 hr.)
 - 10) PSYC 2001.646 Counseling Practicum II (3 hr.)
 - 11) Elective or Thesis (3 hr.)
- e. For students whose goals are related to Community Counseling, the following courses are required:
- 1) PSYC 2001.509 Counseling Psychology—Pre Practicum (3 hr.)
 - 2) PSYC 2001.511 Developmental Psychology (3 hr.)
 - 3) PSYC 2001.513 Community Mental Health Counseling (3 hr.)
 - 4) PSYC 2001.515 Introduction to Research Methods (3 hr.)
 - 5) PSYC 2001.531 Advanced Abnormal Psychology (3 hr.)
 - 6) PSYC 2001.621 Group Techniques in Counseling (3 hr.)
 - 7) PSYC 2001.627 Use of Tests in Counseling (3 hr.)
 - 8) PSYC 2001.645 Counseling Practicum I (3 hr.)
 - 9) PSYC 2001.646 Counseling Practicum II (3 hr.)
 - 10) Elective (3 hr.)
 - 11) Elective or Thesis (3 hr.)
- f. For students whose goals are related to Rehabilitation Counseling, the following courses are required:
- 1) PSYC 2001.515 Introduction to Research Methods (3 hr.)
 - 2) PSYC 2001.561 Foundations of Rehabilitation Counseling (3 hr.)
 - 3) PSYC 2001.567 Psychosocial Aspects of Disabilities (3 hr.)
 - 4) PSYC 2001.568 Medical Aspects of Disability (3 hr.)
 - 5) PSYC 2001.593 Internship in Rehabilitation Counseling (3 hr.)
 - 6) PSYC 2001.606 Introduction to Career Development (3 hr.)
 - 7) PSYC 2001.621 Group Techniques in Counseling
 - 8) PSYC 2001.627 Use of Tests in Counseling (3 hr.)
 - 9) PSYC 2001.645 Counseling Practicum I (3 hr.)
 - 10) PSYC 2001.646 Counseling Practicum II (3 hr.)
 - 11) Elective or Thesis (3 hr.)
4. Electives selected by the student must have prior written consent of the advisor and must be approved for the student's program of study.
5. Advancement to Degree Candidacy Examination
- The examination is generally taken in the semester during which 15 hours of graduate work are completed; however, the student may elect to take the examination at any time during his program of study. The examination consists of two parts; written and oral. The written part must be taken and passed before the student can take the oral section. The examination includes the following course work:

- a. PSYC 2001.425 Introduction to the Helping Relationship
 - b. PSYC 2001.430 Systems and Techniques of Counseling Practice
 - c. PSYC 2001.411 Tests and Measurements
 - d. One of the following, depending upon the student's area of concentration: 2001.404. Adolescent Psychology: 2001.361. Abnormal Psychology: 2001.211. Child Psychology.
6. A final comprehensive examination.

EXPERIMENTAL PSYCHOLOGY

The purpose of the experimental psychology area is to educate students in the basic professional, methodological, theoretical, and conceptual bases of psychology. The student obtains a firm background in statistics. In addition, a meaningful, individualized program of electives may be pursued by taking courses in a number of different areas including experimental, physiological, clinical and computer science.

Students who complete this program will be prepared to pursue more advanced degrees in psychology in any specialty area, or compete adequately in the job market for such positions as psychometrician, laboratory researcher, research methodologist or community college teacher.

Requirements

1. Undergraduate Requirements
 - a. Courses in the following area
 - 1) Statistics (3 hr.)
 - 2) Experimental Psychology (3 hr.)
 - 3) Learning (3 hr.)
2. Course Requirements for the degree (39 hr.). They may be met by completing the following:
 - a. Core Program (25 or 28 hrs.)
 - 1) PSYC 2001.575 Proseminar I (3 hr.)
 - 2) PSYC 2001.576 Proseminar II (3 hr.)
 - 3) PSYC 2001.587 Advanced Experimental Design I (3 hr.)
 - 4) PSYC 2001.588 Advanced Experimental Design II or 2001.589 Multivariate Methods (3 hr.)
 - 5) PSYC 2001.573 Advanced Experimental Psychology I or PSYC 2001.574 Advanced Experimental Psychology II (4 hr.)
 6. PSYC 2001.581 Advanced History & Systems (3 hr.)
 7. PSYC 2001.577 Learning (3 hr.)
 8. PSYC 2001.699 Thesis (3 or 6 hr.)
 - b. Elective Courses (11 or 14 hr.)

The student may choose any graduate elective at the 300 to 600 level.
3. Advancement to degree candidacy examination.

An examination is required for advancement to degree candidacy. The examination is taken toward the end of the semester in which 15 hours of graduate work are completed, and includes any relevant course work taken up to that point.

SCHOOL PSYCHOLOGY

The area of school psychology aims primarily at preparing qualified students for certification as school psychologists in the State of Maryland. Because of the broad application of these skills, the students usually are also prepared to serve as MA level psychologists in a variety of nonprofit organizations. The program also seeks to prepare students for advanced graduate study in psychology.

Requirements:

1. Undergraduate Requirements in Psychology (total 24 hr.)
 - a. Courses in the following areas:
 - 1) General Psychology (3 hr.)
 - 2) Human Growth and Development (6 hr. selected from the following, to cover both child and adolescent areas)
 - a) Child Psychology (3 hr.)
 - b) Infancy and Childhood (3 hr.)
 - c) Human Development (3 hr.)
 - d) Adolescent Psychology (3 hr.)
 - e) Educational Psychology (3 hr.)
 - 3) Abnormal Psychology (3 hr.)
 - 4) Personality (3 hr.)
 - 5) Behavioral Statistics (3 hr.)
 - 6) Tests and Measurements (3 hr.)
 - 7) Experimental Psychology or Human Learning (3 hr.)

NOTE: These courses cannot be used to meet part of the formal elective requirements for the degree, as defined in Paragraph 2 below. These courses must be completed prior to initiation of course work for the degree.

- b. Acceptable performance on the aptitude test of the Graduate Record Examination
 - c. A satisfactory interview with the coordinator of the school psychology area.
 - d. Two letters of recommendation
2. Course requirements for the degree may be met by completing either of the following two plans of study:
 - Plan A: Master of Arts without thesis (minimum 39 hr.)
 - 1) Required courses
 - *a) PSYC 2001.531 Advanced Abnormal Psychology (3 hr.)
 - *b) PSYC 2001.520 Individual Intelligence Testing (3 hr.)
 - *c) PSYC 2001.591 Projective Techniques I (3 hr.)
 - d) PSYC 2001.592 Projective Techniques II (3 hr.)
 - e) PSYC 2001.511 Developmental Psychology (3 hr.)
 - f) PSYC 2001.475 Identification and Treatment of Sensory Disabilities in the Schools (3 hr.)
 - g) PSYC 2001.553 Research Issues in School/Clinical Psychology (3 hr.)
 - h) PSYC 2001.551 Techniques of Group Intervention (3 hr.)
 - i) PSYC 2001.690 Seminar in School/Clinical Psychology (3 hr.)
 - j) PSYC 2001.651 Practicum in School/Clinical Psychology (3 hr.)
 - k) PSYC 2001.652 Internship in School/Clinical Psychology (3 hr.)

- 2) Electives—six hours of courses are elected by the student from within or outside the field of psychology to complement the program of study. Such courses must have prior written consent of the area coordinator.

Plan B: Master of Arts with Thesis (minimum 39 hr.)

- 1) Required courses are identical to Plan A
- 2) One elective is dropped to permit registration for the thesis course, PSYC 2001.699 (3 to 6 hr.)

A final comprehensive examination is required and the internship carries with it a residency requirement of one semester. The student must be available for placement in a school or clinic.

*Courses must be completed or in progress prior to advancement to degree candidacy examination.

THE M.S. IN BIOLOGY

The Master of Science Degree Program in Biology is designed to provide greater knowledge and understanding of biology and to help the student develop a proficiency in independent thought, inquiry, and research. The Thesis program will provide the necessary background and experience for those who plan further study for the Ph.D., those whose employment requires an advanced degree in biology, and those desiring to teach in the increasing number of Junior and Community colleges. The Non-Thesis program is designed for those who want a broader background in biology and those secondary school teachers who want to extend their knowledge and increase their competence in cultivating the spirit of scientific inquiry through course work and optional research projects.

Requirements

1. Supplemental application must be filed for admission to the Master of Science degree program in Biology.
2. Graduate Record Examination scores on the Aptitude Test and Advanced Test in Biology must be submitted.
3. Three letters of recommendation from persons familiar with the student's scientific work and aptitude must be sent to the Biology Graduate Coordinator. The letters should be submitted by former instructors in the student's undergraduate major or from a current supervisor in the field of biology.
4. Undergraduate Requirements
 - a. A minimum of 24 credits in biology.
 - b. As well as allied courses in general and organic chemistry and physics.
 - c. A grade point average of 3.0 in biology and 3.0 overall cumulative average is required for full admission. A grade point average of 2.5 in biology and 2.5 overall commulative average is required for conditional admission.
 - d. Those intending to enter the Thesis program should indicate their area of specialization in order to select an advisor. Those intending to enter the Non-Thesis program should indicate their area of specialization in order to select an advisor. Those intending to enter the Non-Thesis program should obtain an interview with the Biology Graduate Coordinator upon admission into the program.

5. Requirements for the Degree

a. Master of Science with Thesis (minimum 30 hr.)

At least 21 hours at the 500 and 600 levels. A thesis based on laboratory and/or field research is required. The final examination is an oral defense of the thesis. The student must successfully complete the advancement to degree candidacy examination.

1) Required Courses (4 hr.)

a) BIOL 0401.697 Graduate Seminar (1 hr.)

b) BIOL 0401.699 Thesis (3 hr.)

2) Elective Courses (26 hr.)

a) These are to be selected from courses approved by the student's graduate committee.

b) Upon approval of the graduate committee, a maximum of 6 hr. in allied courses from other departments may be applied toward degree requirements.

NOTE: The student planning to utilize the thesis option should obtain an interview with the graduate program coordinator before initiating any course work toward the degree.

b. Master of Science without thesis (minimum 36 hr.)

At least 27 hrs. must be at the 500 and 600 levels. The student must successfully complete the advancement to degree candidacy examination.

1) Required Courses (4 hr.)

a) BIOL 0401.697 Graduate Seminar (1 hr.)

2) Elective Courses (35 hrs.)

a) These are to be chosen from courses approved for the program of study by the Biology Graduate Coordinator and must include a minimum of 26 credits at the 500 and 600 levels.

b) Upon approval of the graduate committee, a maximum of 6 hr. in allied courses from other departments may be applied toward degree requirements.

6. Area of Concentration

Under either the Thesis or Non-Thesis option, a student may, with the approval of the graduate advisor and the biology graduate committee, choose an area of concentration which will be recorded on the transcript.

THE M.S. IN INSTRUCTIONAL TECHNOLOGY

This degree program is intended to meet the needs of those who wish to develop competencies and leadership in the use of media to improve instruction in various settings. Applicants may select one of two tracks. Track I, Instructional Development, is designed for maximum curricular flexibility to build competencies in special interest areas for those in school classrooms, higher education, government, industry, armed forces, or medicine; State Department certification as a Media Specialist is possible. Track II meets State certification requirements for the Media Generalist classification and is for those in charge of school media centers.

TRACK I, INSTRUCTIONAL DEVELOPMENT

Requirements

1. Undergraduate Requirements

a. Completion of a baccalaureate degree from an accredited college or university.

- b. Completion of the following course or its equivalent:
0601.301 Utilization of Instructional Media
- 2. Applicants must obtain satisfactory ratings in all admissions tests (including an impromptu essay) following departmental receipt of all admission credentials from the graduate office.
- 3. The Department will write to the applicant concerning the admission essay. The intent of this essay is to test the competency of the applicant in written communications skills.
- 4. Course Requirements for the degree.
 - a. Plan A: Master of Science with Thesis (minimum 33 hr.)
 - 1) Required Courses (18 hr.)
 - a) ISTC 0601.563 Applied Psychology of Learning (3 hr.)
 - b) ISTC 0601.567 Instructional Development (3 hr.)
 - c) ISTC 0601.585 Seminar in Instructional Technology (3 hr.)
 - d) ISTC 0601.695 Research in Instructional Technology (3 hr.)
 - e) ISTC 0601.699 Master's Thesis in Instructional Technology (6 hr.)
 - 2) Elective Courses (12 hr.)
Selection of elective courses must be made with the advice and approval of a program advisor. Nine hours must be in Instructional Technology and three hours may be within or outside the department.
 - b. Plan B: Master of Science without Thesis (minimum 36 hr.)
 - 1) Required courses except for thesis are identical to Plan A.
 - 2) Elective courses (21 hr.)
Selection of elective courses must be made with the advice and approval of a program advisor. Twelve hours must be in Instructional Technology and nine hours may be within or outside the department.

TRACK II, EDUCATIONAL MEDIA GENERALIST Requirements

- 1. Undergraduate Requirements
 - a. Baccalaureate degree from accredited college or university and the following courses or their equivalents:
 - 1) 2001.201 Educational Psychology (3 hr.)
 - 2) 0803.319 Survey of Educational Programs (3 hr.)
 - 3) ONE of the following:
 - a) EDUC 0801.401 Foundations of Education (3 hr.)
 - b) EDUC 0801.402 History of Education (3 hr.)
 - c) EDUC 0801.405 Philosophy of Education (3 hr.)
 - b. Completion of the following courses or their equivalents:
 - 1) ISTC 0601.301 Utilization of Educational Media (3 hr.)
 - 2) ISTC 0601.471 Reference and Information Sources (3 hr.)
 - 3) ISTC 0601.473 Cataloging and Classifying of Media (3 hr.)
- 2. Applicants must obtain satisfactory ratings in all admissions tests (including an impromptu essay) following departmental receipt of all admission credentials from the graduate office.
- 3. The Department will write to the applicant concerning the admission essay. The intent of this essay is to test the competency of the applicant in written communication skills.

4. Course Requirements for the degree.
 - a. Plan A: Master of Science with Thesis (minimum 33 hr.)
 - 1) Required Courses:
 - a) ISTC 0601.455 Media Design and Production I (3 hr.)
 - b) EDUC 0601.417 Children's Literature (3 hr.) or 0801.418 Young Adult Literature (3 hr.)
 - c) ISTC 0601.501 Organization and Administration of Media Center Programs (3 hr.)
 - d) ISTC 0601.515 Media Selection (3 hr.)
 - e) ISTC 0601.563 Applied Psychology of Learning (3 hr.)
 - f) ISTC 0601.567 Instructional Development (3 hr.)
 - g) ISTC 0601.585 Seminar in Instructional Technology (3 hr.)
 - h) ISTC 0601.695 Research in Instructional Technology (3 hr.)
 - i) ISTC 0601.689 Internship in Instructional Technology (required only if the student has not had a practicum or two years of successful teaching of media-related experience) (6 hr.)
 - 2) In the degree program a total of 24 semester hours of courses must be at the 500 and 600 levels.
 - b. Plan B: Master of Science without Thesis (minimum 36 hr.)
 - 1) Required courses are identical to Plan A, except for the deletion of 0601.699, Master's Thesis in Instructional Technology (6 hr.)
 - 2) Elective courses

THE M.S. IN HEALTH SCIENCE

Towson State University offers a three-track program leading to a Master of Science degree with specializations in School Health, Community Health Education, or Administration. The student may enter the program which best meets educational objectives and career goals. Upon completion of the degree program, the student will have acquired a knowledge and understanding of the facts, theories and principles basic to the science of School Health, Community Health, or Administration in Health Services as well as in supporting biological, behavioral, sociological and educational areas. The Community Health Education program is designed to meet the accreditation standards of the American Public Health Association.

The student entering the School Health Track can consider future employment possibilities in the following areas: classroom health teacher, supervisor or coordinator of the health science program within a school system, health educational media specialist, program evaluation specialist within a school system, continuing education and school personnel department.

A graduate of the Community Health Education program may pursue a career as a health education specialist in an official health agency such as a state or local health department, a federal agency or a voluntary health agency. Students holding current credentials in pharmacy, nursing, dentistry, dietetics and other professions may wish to combine their skills from prior training, and redirect their careers toward community education related to their specific prior training. With a Master of Science Degree in Community Health Education, students may also seek employment with various public health agencies, or expand their own practice. Because the program provides professional training in basic public health and administrative skills, many other opportunities may be available to the student.

A graduate of the program with administrative concentration will be prepared for positions in public health which require sound backgrounds in both public health and administration.

Requirements

A. M.S. in School Health Education and M.S. in Community Health

1. Undergraduate Requirements

- a. An undergraduate degree in health education or health science
- b. A minimum of 24 credit hours of course work in health and related science, (nine hours must be in Health Education, and 15 hours in psychology, sociology, anthropology, biology or chemistry) and
- c. Fifteen hours of course work in Health Sciences with related work or field experiences as determined by the graduate faculty of the Health Science Department.

B. M.S. Health Science, Administrative Concentration

1. Undergraduate Requirements

- a. An undergraduate degree in a health science field (nursing, health education, environmental studies, psychology)
OR
- b. A minimum of 24 credit hours in course work in health and related sciences.
- c. A minimum of 15 credit hours in course work in health and related sciences, with field experiences or continuous employment as accepted by the graduate faculty of the Health Science Department.

C. Requirements for the Degree

- a. General requirements are for 27 credit hours of Health Education courses and a minimum of 9 credit hours in a support area such as psychology, sociology, biology, counseling, education, instructional technology, business administration, geography or another approved area. The program of study with the administrative concentration contains 24 hours of Health Science courses and 12 hours in Business Administration. Community Health Education students may select supervised field work rather than the support area.
- b. Students are expected to write a major paper, but may elect to do a thesis or a research project instead.
- c. Courses of Study:

HEALTH EDUCATION

Health Science Core — 12 hours required

1201.539 Education and Training in Health Care (3 hr.)

1201.525 Research Methods (3 hr.)

1201.685 Graduate Seminar (3 hr.)

1201.501 School Health Problems (3 hr.)

Content Health Core — 6 hours required

1201.401 Sex Education and Family Life (3 hr.)

1201.405 Drugs in Our Culture 3 cr.

1201.451 Ecological Aspects of Health (3 hr.)

1201.537 Leadership Skills (3 hr.)

Elective Health Core — 6 hours health course required

Supportive Core — 9 hours required

1201.699 Masters Thesis in Health (3 hr.) OR

1201.697 Graduate Project in Health Science (3 hr.)

COMMUNITY HEALTH

Health Science Core — 18 hours required

1201.539 Education and Training in Health Care (3 hr.)

1201.525 Research Methods (3 hr.)

1201.685 Graduate Seminar (3 hr.)

1201.501 School Health Problems (3 hr.)

1201.515 Quantitative and Qualitative Elements (3 hr.)

1201.531 Program Planning in Health Education (3 hr.)

Content Health Core — 6 hours required

1201.533 Health Care Systems (3 hr.)

1201.541 Patient Education (3 hr.)

1201.537 Leadership Skills (3 hr.)

1201.517 Public Health Administration (3 hr.)

Support Core — 9 hours required

OR

Fieldwork Internship — 9 credits

1201.699 Masters Thesis in Health (3 hr) OR

1201.697 Graduate Project in Health Science (3 hr.)

ADMINISTRATION

Health Science Core — 12 hours required

1201.539 Education and Training in Health Care (3 hr.)

1201.525 Research methods (3 hr.)

1201.685 Graduate Seminar (3 hr.)

1201.515 Quantitative and Qualitative Elements (3 hr.)

Content Health Core — 9 hours required

1201.501 School Health Problems (3 hr.)

1201.531 Program Planning in Health Education (3 hr.)

1201.533 Health Care Systems (3 hr.)

1201.541 Patient Education (3 hr.)

1201.517 Public Health Administration (3 hr.)

1201.537 Leadership Skills (3 hr.)

Support Core—12 hours Business Admin. Courses required

0506.361 Management Theory (3 hr.)

1201.699 Masters of Thesis in Health (3 hr.) OR

1201.697 Graduate Project in Health Science.

THE M.S. IN SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY

The Master of Science degree program in Speech-Language Pathology and Audiology is designed to enable pre-professionals in the field, e.g., those with a Bachelor's degree in Speech-Language Pathology and Audiology, to meet the academic and clinical practicum requirements of the national and state speech and hearing associations. The Speech-Language Pathology and Audiology program will provide the student with an in-depth investigation of specific disorders of speech, language and hearing; intensive study of normal speech and language development; development of appropriate therapeutic goals, procedures, and materials; and extensive clinical practice experience in on-campus and off-campus settings with a wide variety of clinical cases.

Students may elect to specialize in either **Speech-Language Pathology** or **Audiology**. Applicants should indicate their area of emphasis on the application form.

Completion of the degree will prepare the individual to meet academic and practicum requirements for certification and licensure; to compete for employment in public school, clinical, or hospital settings; and to pursue advanced degrees in this field. All clinical practicum clock hour requirements of ASHA must be completed before the M.S. degree will be awarded.

Individuals without an undergraduate degree in Speech-Language Pathology and Audiology must complete 33 hr. of undergraduate coursework from designated prerequisite courses prior to applying for admissions into the Master of Science Degree Program.

Requirements

1. Undergraduate Requirements

- a. Bachelor's degree in Speech-Language Pathology and Audiology with a minimum of 33 semester hours or 42 quarter hours. A minimum of one course in Clinical Practicum is required (students without this course must take it as a part of their graduate program, necessitating a 39-hour degree program.)

OR

- b. Successful completion of 33 hours of undergraduate coursework in Speech-Language Pathology and Audiology, including the following courses or their equivalents:

- 1) SPPA 122.105 Speech and Language Development (3 hr.)
- 2) SPPA 1220.210 Phonetics of American English (3 hr.)
- 3) SPPA 1220.300 Anatomy and Physiology of the Auditory and Vocal Mechanisms (3 hr.)
- 4) SPPA 1220.301 Hearing and Speech Science (3 hr.)
- 5) SPPA 1220.302 Speech Pathology I (3 hr.)
- 6) SPPA 1220.304 Speech Pathology II (3 hr.)
- 7) SPPA 1220.305 Stuttering Etiology and Therapy (3 hr.)
- 8) SPPA 1220.306 Speech Pathology III (3 hr.)
- 9) SPPA 1220.321 Introduction to Audiology (3 hr.)
- 10) SPPA 1220.486 Clinical Observation and Techniques (3 hr.)
- 11) SPPA 1220.487 Clinical Practice I (3 hr.)

2. Acceptable evaluation by three persons familiar with the applicant's scholarly and clinical work and aptitude. These evaluations should come from the applicant's former instructors and/or clinical supervisors. Evaluations **must** be completed on the Speech-Language Pathology and Audiology Rating Form, which may be obtained by calling or writing to the department.

3. Acceptable performance on the Miller Analogies Test.

4. Course Requirements for the degree

- a. Speech-Language Pathology Specialization (36 hr. 27 of which must be at the 500-600 levels)

- 1) Required Courses (3 hr.)

- a) SPPA 1220.513 Introduction to Research in Speech Pathology and Audiology (1 hr.)

- b) SPPA 1220.645 Advanced Clinical Practice (2 hr.)

Taken 1 hr. every semester in which **any** practicum assignment is made until all clinical clock hours are completed. Only 2 credit hours apply toward the degree.

- 2) Speech/Language Sequence (21 hr.)
 - a) Speech and Speech Pathologies (9 hr.)
The student must elect a minimum of 9 hours in courses which deal with the nature and development of speech processes and/or with the nature, development, etiology, and treatment of speech pathologies.
 - b) Language and Language Pathologies (9 hr.)
The student must elect a minimum of 9 hours in courses which deal with the nature and development of language processes and/or language pathologies.
 - c) The remaining 3 hours may be taken in either area.
- 3) Audiology Sequence (6 hr.)
 - a) The student must elect one 3-hour course from those dealing with auditory disorders and one 3-hour course dealing with aural habilitation.
- 4) Non-major/minor sequence (6 hr.)
The student must elect 6 hours of courses outside the areas of speech-language pathology and audiology. Specific courses and areas must be approved by the advisor, and may include such areas as speech/hearing sciences, experimental phonetics, psychology, education, linguistics, and physics, among others. At least one of these courses must be at the 500-600 level.
- b. Audiology Specialization (36 hr. 27 of which must be at the 500-600 levels)
 - 1) Required Courses (3 hr.)
 - a) SPPA 1220.513 Introduction to Research in Speech Pathology and Audiology (1 hr.)
 - b) SPPA 1220.645 Advanced Clinical Practice (2 hr.)
Taken 1 hr. every semester in which any practicum assignment is made until all clinical clock hours are completed. Only 2 credit hours apply toward the degree.
 - 2) Audiology Sequence (21 hr.)
 - a) Auditory Disorders (9 hr.)
The student must elect a minimum of 9 hours in courses which deal with auditory disorders.
 - b) Aural Habilitation/Rehabilitation (6 hr.)
The student must elect a minimum of 6 hours from courses which deal with aural habilitation/rehabilitation.
 - c) Conservation (3 hr.)
The student must elect a minimum of 3 hours from courses which deal with hearing conservation.
 - d) Instrumentation (3 hr.)
The student must elect a minimum of 3 hours from courses which deal with instrumentation.
 - 3) Speech/Language Sequence (6 hr.)
 - a) The student must elect a minimum of 3 hours from courses which deal with the nature, development, etiology, diagnosis, and treatment of language disorders.
 - b) The student must elect a minimum of 3 hours from courses which deal with the nature, development, etiology, diagnosis, and treatment of speech disorders.

- 4) Non-major/minor sequence (6 hr.)
The student must elect 6 hr. from courses outside the areas of speech pathology and audiology. Specific courses and areas must be approved by the advisor, and may include such areas as speech /hearing sciences, experimental phonetics, psychology, education, physics, and geography among others. At least one of these courses must be at the 500-600 level.
5. Advancement to Degree Candidacy Examination: Students will schedule an examination which will be written and will be taken after successful completion of 9 to 15 hours of graduate study. The examination will consist of three essay questions in the student's major area of emphasis, and one essay question in the student's minor area of emphasis within the department.
6. Students must demonstrate acceptable writing skills in all clinical and academic work. Students showing weakness in this area may be advised to take 1220.311 (Technical Writing in SPPA) but not as a part of their degree work.

THE M. ED. IN ART EDUCATION

The Master of Education degree program in Art Education is structured to provide insights to the creative process and its educational, therapeutic and historical implications. It also aims to increase understanding, sensitivity and skill in the graphic and plastic arts. Programs are planned for each student to develop professional competence in art areas of their choice.

Requirements

1. Undergraduate Requirements in Education and Art
 - a. Certification as a public school art teacher
OR
 - b. Courses in both Art and Education areas as follows (total: 32 hr.):
 - 1) In Art (27 hr.)
 - a) Fundamentals of Design (two-and three-dimensional) (6 hr.)
 - b) Ceramics and Sculpture (6 hr.)
 - c) Drawing, Painting and Graphic Processes (some credit required in each area) (6 hr.)
 - d) Art History (6 hr.)
 - 2) In Education (5 hr.)
 - a) Educational Psychology or Human Growth and Development (3 hr.)
 - b) Methods of Teaching Art (2 hr.)
2. Course Requirements for the Degree. They may be met by completing either one of the following two plans of study:
 - a. Plan A: Master of Education with Thesis (minimum 30 hr.)
 - 1) Required Courses (15 hr.)
 - a) EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)
 - b) PSYC 2001.511 Developmental Psychology (3 hr.)
 - c) ART 0831.595 Research in Art and Art Education (3 hr.)
 - d) ART 0831.697 Seminar in Art Education (3 hr.)
 - e) ART 1001.699 Master of Education Thesis (3 hr.) OR
ART 1001.698 Graduate Project in Art (3 hr.)

- 2) The Thesis requirement may be met in one of two ways:
 - a) By writing a standard thesis dealing with a selected problem in Art and Art Education, (3 hrs.) OR
 - b) By undertaking a creative project. The advisor must approve the project proposal in writing. The student will exhibit the completed project at a suitable location and accompany it with written material defining its scope and philosophic content. (3 hrs.)
- 3) Elective Courses (15 hr.)
 - a) Courses numbered 500 to 699 should ordinarily be chosen, but a maximum of 9 hours of work in courses numbered 300 to 499 may be taken with approval of the student's advisor.
 - b) Six hours may be taken in departments other than Art and Art Education.
- b. Plan B: Master of Education without Thesis (minimum 33 hr.)
 - 1) Required Courses (12 hr.)
 - a) EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)
 - b) PSYC 2001.511 Developmental Psychology (3 hr.)
 - c) ART 0831.595 Research in Art and Art Education (3 hr.)
 - d) ART 0831.697 Seminar in Art Education (3 hr.)
 - 2) Elective Courses (21 hr.)
 - a) Courses numbered 500 to 699 should ordinarily be chosen, but a maximum of 9 hours of work in graduate level courses numbered 300 to 499 may be taken with the signed approval of the student's advisor.
 - b) Six hours may be taken in departments other than Art and Art Education.

THE M.ED. IN EARLY CHILDHOOD EDUCATION

The Master of Education degree program in Early Childhood Education is structured to help teachers and others increase their competence for working in education programs for children, from birth through eight years of age. It is designed to prepare teachers, directors, and supervisors for various education programs for young children such as day care centers, public and private nursery schools, kindergartens, and primary schools.

Requirements

1. Undergraduate Requirements in Education
 - a. Certification as an early childhood education public school teacher
OR
 - b. Certification as an elementary public school teacher plus six semester hours in Early Childhood Education at the undergraduate level
OR
 - c. Courses in the following areas (total: 15 hr.):
 - 1) General Psychology, Educational Psychology, or Psychology of Learning (3 hr.)
 - 2) Child Psychology, Child Growth and Development, Human Growth and Development, or Personality (3 hr.)

- 3) Curriculum and Methods in Early Childhood Education (6 hr.)
- 4) Three hours chosen from the following areas:
 - a) History of Education
 - b) Foundations of Education
 - c) Philosophy of Education
 - d) Principles of Education
 - e) Sociology of Education

NOTE: These courses cannot be used to meet part of the formal elective requirements for the degree as defined below.

2. Course requirements for the degree may be met by completing either one of the following two plans of study:

a. Plan A: Master of Education with Thesis (minimum 30 hr.)

- 1) Required Courses (12 hr.)
 - a) EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)
 - b) EDUC 0801.691 Introduction to Research in Education (3 hr.)
 - c) ECED 0823.599 Master's Thesis in Early Childhood Education (3 hr.)
 - d) ECED 0823.509 Growth and Development of Young Children (3 hr.)

OR

PSYC 2001.511 Developmental Psychology (3 hr.)

- 2) Elective Courses (18 hr.)
 - a) Twelve hours must be earned in departments other than education, but fewer than twelve hours may be earned in departments other than education with approval of the program coordinator.
 - b) Selection of courses should be made with the advice and approval of the program coordinator. Each program of study is designed to meet the needs and interests of the individual student.
 - c) At least 9 hr. must be selected from courses numbered 500 to 699.

b. Plan B: Master of Education without Thesis (minimum 33 hr.)

- 1) Required Courses (12 hr.)
 - a) EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)
 - b) ECED 0823.573 Seminar in Early Childhood Education (3 hr.)
 - c) EDUC 0801.691 Introduction to Research in Education (3 hr.)
 - d) ECED 0823.509 Growth and Development of Young Children (3 hr.)

OR

PSYC 2001.511 Developmental Psychology

- 2) Elective Courses (21 hr.)
 - a) Twelve hours must be earned in departments other than education, but fewer than twelve hours may be earned in departments other than education with the approval of the program coordinator.
 - b) Selection of courses should be made with the advice and approval of the program coordinator. Each program of study is designed to meet the needs and interests of the individual student
 - c) At least 12 hours must be selected from courses numbered 500 to 699.

THE M.ED. IN ELEMENTARY EDUCATION

A PROGRAM MAY BE DEVELOPED WHICH INCLUDES ONE OF THE FOLLOWING EMPHASES: CURRICULUM, RESOURCE TEACHING, READING, EDUCATIONAL LEADERSHIP, LEARNING DIFFICULTIES, OR THE GIFTED STUDENT.

The Master of Education degree program in Elementary Education consists of required and elective courses combined into an individual plan which helps the student broaden and deepen understandings, improve skills and insights related to elementary teaching, and pursue particular professional goals. In required courses and experiences the student is provided with opportunities to clarify philosophical and psychological bases of teaching-learning, to examine recent educational developments, to grow in the spirit and skills of inquiry, and to experience the value of sound interpersonal relations in the life experience.

The Graduate Program in Elementary Education seeks to evaluate and build upon the student's undergraduate program and professional experience. In order to enable the in-service teacher to continue to progress toward the achievement of academic and professional goals, the Master of Education degree program in Elementary Education seeks to: assist the student in assessing his or her level of competency as a teacher and to build upon his or her educational and professional experience; work with the student in planning a program of study which will facilitate the achievement of individual goals; provide avenues through which the individual may continue to grow in understanding, involvement in, and appreciation of, the emerging society; help the student to extend teaching competencies to new levels of development; encourage a spirit of inquiry and teaching research skills that will be useful in continuing study; help the student acquire a deepening functional understanding of human growth and development; and guide the student toward understanding his or her role as a maker of changes within the educational enterprise.

Requirements

1. Prerequisites

- a. Certification as an elementary public school teacher
OR

b. Courses in the following areas (total: 12 hr.):

- 1) Educational Psychology or Human Growth and Development (3 hr.)
- 2) Organization and Curriculum of the Elementary School (6 hr.)
- 3) Three hours chosen from the following areas:
 - a) History of Education
 - b) Foundations of Education
 - c) Philosophy of Education
 - d) Sociology of Education

NOTE 1: The above courses cannot be used to meet part of the formal elective requirements for the degree as defined below:

2. Course requirements for the degree may be met by completing either one of the following two plans of study:

- a. Plan A: Master of Education with Thesis (minimum 30 hr.)

1) Required Courses (12 hr.)

- a) EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)
- b) EDUC 0801.691 Introduction to Research in Education (3 hr.)

- c) EDUC 0802.699 Master's Thesis in Elementary Education (3 hr.)
- d) PSYC 2001.511 Developmental Psychology (3 hr.)
- 2) Elective Courses (18 hr.)
 - a) After admission and prior to his/her first registration, the student must plan a program of study with his/her advisor. This program of study is designed to meet the needs and interest of the individual student. It may be changed only with the consent of the advisor.
 - b) At least nine hours must be selected from courses numbered 500 to 699.
- b. Plan B: Master of Education without Thesis (minimum 33 hr.)
 - 1) Required Courses (12 hr.)
 - a) EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)
 - b) EDUC 0801.691 Introduction to Research in Education (3 hr.)
 - c) EDUC 0802.675 Seminar in Elementary Education (3 hr.)
 - d) PSYC 2001.511 Developmental Psychology (3 hr.)
 - 2) Elective Courses (21 hr.)
 - a) After admission and prior to his/her first registration, the student must plan a program of study with his/her advisor. This program of study is designed to meet the needs and interests of the individual student. It may be changed only with the consent of the advisor.
 - b) At least twelve hours must be selected from courses numbered 500 to 699.

NOTE 2: Students not certified as elementary school teachers should contact the Maryland State Department of Education for certification information.

THE M.ED. IN MUSIC EDUCATION

The Master of Education degree program in Music Education incorporates the faculties, physical facilities, and course offerings of both Towson State University and Morgan State University. In addition to a beneficial interaction between the two institutions, this cooperative Master's Degree program offers the student broader and deeper understandings of his professional goals. Basic courses will be offered at both institutions.

Requirements

1. Undergraduate Requirements in Education and Music
 - a. The student must hold a Bachelor's degree from an accredited college or university and certification as a public school music teacher
OR
hold a Bachelor's degree from an accredited college or university with a minimum of 49 hours in undergraduate music courses.
 - b. He must have a grade point average of 3.0 or better in music courses.
 - c. He must be interviewed by the graduate coordinator.
2. Course requirements for the degree may be met by completing one of the following two plans of study:
 - a. Plan A: Master of Education in Music Education with Thesis (minimum 30 hr.), 21 of which must be at the 500-600 levels)

- 1) Required Courses (12 hr.)
 - "T" indicates course offered at Towson State University
 - "M" indicates course offered at Morgan State University
(consult Morgan State University Graduate Bulletin for course numbers)
 - a) T EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)
 - b) T PSYC 2001.511 Developmental Psychology (3 hr.)
 - c) TM MUSC 1005.595 Research Methods in Music and Music Education (3 hr.)
 - d) TM MUSC 1005.501 Seminar in Current Trends in Music and Music Education (3 hr.)
- 2) Required Course (3 hr.) (select one)
 - a) T MUSC 1005.562 Seminar in Choral music (3 hr.)
 - b) M MUSC Seminar in Instrumental Music (3 hr.)
- 3) T MUSC 1005.697 Graduate Project in Music (3 hr.) or MUSC 1005.699 Thesis (3 hr.)
 This requirement may be met in one of the following ways:
 - a) By writing a thesis dealing with a selected problem in music or music education (MUSC 1005.699)
 - b) By writing an original composition of major proportions and a paper concerning salient aspects of the composition level (MUSC 1005.697)
 - c) By presenting a full recital on the graduate level (MUSC 1005.697)
- 4) Elective Courses (12 hr.) (Selected from three areas)
 - Area I (3-6 hr.)
 - a) T MUSC 1005.401 Music Prior to 1600 (3 hr.)
 - b) T MUSC 1005.402 Music of the Baroque Period (3 hr.)
 - c) T MUSC 1005.403 Music of the Classical Period (3 hr.)
 - d) T MUSC 1005.404 Music of the Romantic Period (3 hr.)
 - e) T MUSC 1005.405 Contemporary Music (3 hr.)
 - f) T MUSC 1005.406 Survey of Solo Voice Literature (3 hr.)
 - g) T MUSC 1005.409 History and Literature of Guitar, Lute and Vihuela (3 hr.)
 - h) T MUSC 1005.410 Survey of Organ Literature (3 hr.)
 - i) T MUSC 1005.411 Survey of Opera (3 hr.)
 - j) T MUSC 1005.413 Symphonic Literature (3 hr.)
 - k) T MUSC 1005.415 The Concerto (3 hr.)
 - l) T MUSC 1005.417 Piano Literature (3 hr.)
 - m) T MUSC 1005.421 American Music (3 hr.)
 - n) T MUSC 1005.421 Special Topics in Music Literature (3 hr.)
 - o) M MUSC Advanced Choral Literature (3 hr.)
 - p) M MUSC Evolution of Afro-American Music (3 hr.)
 - q) M MUSC Seminar in Non-Western Music (3 hr.)
 - Area II (3-6 hr.)
 - a) T MUSC 1005.407 Tonal Counterpoint (3 hr.)
 - b) T MUSC 1005.408 Modal Counterpoint (3 hr.)
 - c) TM MUSC 1005.435 Form and Analysis (3 hr.)
 - d) TM MUSC 1005.431 Advanced Choral and Instrumental Arranging (3 hr.)
 - e) T MUSC 1005.433 Advanced Theory (3 hr.)
 - f) T MUSC 1005.539 Music Composition (3 hr.)
 - g) T MUSC 1005.427 Jazz Arranging (3 hr.)

- h) M MUSC Advanced Orchestration (3 hr.)
 - i) M MUSC Electronic Music (3 hr.)
 - Area III (3-6 hr.)
 - a) T MUSC 0832.417 Choral Workshop in Elementary and Secondary School Music (2 hr.)
 - b) T MUSC 0832.419 Workshop: Aspects of String Teaching (2-6 hr.)
 - c) T MUSC 1005.420 Workshop in Music Instrument Repair (1 hr.)
 - d) TM MUSC 0832.408 Organization and Administration of Music Education (3 hr.)
 - e) TM MUSC 1005.471 through MUSC 1005.488 Private Instruction: Piano, Instrumental, Voice, Composition (1-3 hr.)
 - f) TM MUSC 1005.571 through MUSC 1004.588 Private Instruction: Piano, Instrumental, Voice, Composition (1-3 hr.)
 - g) T MUSC 104.409-410 Teaching String Instruments (3 hr.)
 - h) T MUSC 1004.424 Advanced Woodwinds (3 hr.)
 - i) T MUSC 1005.429 Jazz Improvisation (3 hr.)
 - j) M MUSC Opera Workshop (3 hr.)
 - k) M MUSC Musical Theatre (3 hr.)
 - l) M MUSC Vocal Piano Pedagogy (3 hr.)
 - m) M MUSC Piano Pedagogy (3 hr.)
 - n) M MUSC Advanced Strings (3 hr.)
 - o) M MUSC Advanced Brass (3 hr.)
 - p) M MUSC The Art of Accompanying (3 hr.)
- b. Plan B: Master of Education in Music Education without Thesis (minimum 33 hr. plus a research paper in one of the seminar courses. Twenty four of the credits must be at the 500-600 level.)
- 1) Required Courses (15 hr.)
 - Same as above, but does not require MUSC 1005.699 Thesis or 1005.697 Thesis Project.
 - 2) Elective Courses (1-8 hr.)
 - Area I as Above (3-9 hr.)
 - Area II as Above (3-9 hr.)
 - Area III as Above (3-9 hr.)

THE M. ED IN READING

The Master of Education degree program in Reading is a program offered in cooperation by Towson State University and Morgan State University. The major objective of the program is to offer experiences which will improve the teaching of reading at all levels. Specifically, the proposed curriculum seeks to fulfill the following objectives: the graduate candidate will gain a better understanding of the learner and the learning process, be able to conduct an intensive diagnostic analysis of needs relevant to reading, prescribe and/or conduct a program to overcome the reading weaknesses noted in the evaluation, fulfill the role as a reading resource teacher, fulfill a leadership role which will involve activities such as conducting in-service workshops and supervising various aspects of the reading program, and initiate and conduct research studies relevant to reading and those areas relevant to reading

Requirements

1. Undergraduate Requirements in Education
Bachelor's degree from accredited college or university
2. Course Requirements for the degree (minimum 33 hr.)
These requirements may be met by completing the following:
 - a. Required Reading Courses (12 hr.)
"T" indicates courses offered at Towson State University
"M" indicates courses offered at Morgan State University
 - 1) T EDUC 0801.623 Methods and Materials in Teaching Reading in Elementary School (3 hr.)
 - 2) T EDUC 0801.621 Reading Disabilities (3 hr.)
 - 3) T EDUC 0801.625 Clinic Practicum in Reading (3 hr.)
 - 4) T EDUC 0801.629 Seminar in Reading (3 hr.)
M EDUC 0801.506 Seminar in Reading (3 hr.)
 - b. Additional Required Courses (12 hr.)
 - 1) T EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)
 - 2) T PSYC 2001.511 Developmental Psychology (3 hr.)
 - 3) T PSYC 2001.411 Tests and Measurements (3 hr.) or
T EDUC 0801.414 Educational Tests and Measurements (3 hr.)
 - 4) T PSYC 2001.540 Advanced Mental Hygiene (3 hr.)
 - c. Elective Courses (9 hrs., six of which must be at the 500-600 levels)
 - 1) M ENGL 1501.561 Introduction to Linguistics (3 hr.)
 - 2) M ENGL 1501.590 Phonetics of American English (3 hr.)
 - 3) T PSYC 2001.605 Principles of Guidance (3 hr.)
 - 4) T EDUC 0801.417 Children's Literature or
T EDUC 0801.418 Literature for the Adolescent (3 hr.)
 - 5) M EDUC 0801.501 Supervision and Curriculum in Reading (3 hr.)
 - 6) T EDUC 0801.627 Evaluation of Reading Research (3 hr.)
 - 7) M EDUC 0802.508 Teaching Reading in the Secondary School (3 hr.)
 - 8) T ENGL 501.430 History of the English Language (3 hr.)
 - 9) T EDUC 0801.425 Corrective Reading (3 hr.)
 - 10) T EDUC 0801.631 Diagnosis and Evaluation of Reading Disabilities (3 hr.)
 - 11) T EDUC 0802.431 Diagnosis and Prescription for Learning Difficulties (3 hr.)
 - 12) T EDUC 0802.531 Diagnosis and Prescription for Learning Difficulties Advanced (3 hrs.)
 - 13) T EDUC 0802.435 Psycholinguistics and Reading Instruction (3 hr.)
 - 14) T PSYC 2001.407 Psychology of Reading (3 hr.)

NOTE: Other elective courses may be substituted with the permission of the program coordinator.

THE M. ED. IN SECONDARY EDUCATION

SPECIALIZATIONS OFFERED: ECONOMIC EDUCATION, EDUCATION, ENGLISH, FOREIGN LANGUAGE, GEOGRAPHY, HEALTH, MATHEMATICS, PHYSICAL EDUCATION, READING

The Master of Education degree program in Secondary Education is designed to help teachers develop competencies that will contribute to

success in their educational responsibilities. The program provides advanced study in the general areas of education, psychology, and a teaching field.

Opportunities are given for the graduate student to pursue certain areas of interest through provisions for elective courses. In addition to currently offered specializations in teaching areas, others are being prepared. Contact the coordinator of the program for additional information.

Requirements

1. Undergraduate Requirements in Education

- a. Certification as a secondary public school teacher

OR

- b. Courses in the following areas

- 1) Educational Psychology or Human Growth and Development
- 2) Principles and Methods in Secondary Education
- 3) Three hours chosen from the following areas
 - a) History of Education
 - b) Foundations of Education
 - c) Philosophy of Education

- c. Additional requirements for admission to specific areas of specialization

- 1) Specialization in Economic Education

- a) Bachelor's degree with a major or minor in Economics Education or the equivalent.

- b) Approval by the Graduate Advisor in Economics Education

- 2) Specialization in English

- A Bachelor's Degree in English, or a minimum of 24 semester hours of English courses. At least 12 semester hours must be in upper-division English courses.

- 3) Specialization in Geography

- A Bachelor's Degree with a major in Geography, or a minor in Geography, or the equivalent conferred by a recognized college or university.

- 4) Specialization in Health

- a) An Undergraduate Degree in Health Education or Health Science

OR

- b) A minimum of 24 hr. of course work in Health Education and related sciences as determined by the Health Science Department at Towson State University

- 5) Specialization in Mathematics

- A Bachelor's degree with a major in Mathematics, or a minor in Mathematics, or the equivalent.

- 6) Specialization in Foreign Language (French or Spanish)

- a) An Undergraduate Degree in French or Spanish

OR

- b) A minimum of 24 semester hours of course work in French or Spanish. At least 12 semester hours must be upper division courses.

- 7) Specialization in Physical Education

- a) A minimum of 24 hours of course work in Physical Education

- b) Approval by a screening committee composed of graduate faculty in Physical Education.

2. Program options: Students must select Program A (Master of Education in Secondary Education with a specialization in Education). Program B (Master of Education in Secondary Education with a specialization in a Teaching Area) or Program C (Master of Education in Secondary Education with a specialization in Social Restoration Education).
3. Course requirements for the degree may be met by completing one of the plans in Program A, Program B, or Program C.
 - a. Program A (Specialization in Education)

Thesis Plan (minimum 30 hr.)

 - 1) Required courses (15 hr.)

Twelve hours in Education:

EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)

EDUC 0803.641 Curriculum Development in the Secondary School

EDUC 0801.691 Introduction to Research in Education (3 hr.)

EDUC 0803.699 Master's Thesis in Secondary Education (3 hr.)

Three Hours in Psychology:

PSYC 2001.511 Developmental Psychology (3 hr.)
 - 2) Elective Courses (15 hr.). At least 6 hr. must be selected from courses numbered 500 to 699. Educational electives will be planned in terms of the needs and goals of the individual student and must be approved by the advisor.

Category A—9 hr. in Education

Category B—6 hr. in departments other than Education. (Fewer than 6 hr. may be earned in departments other than Education with the approval of the program coordinator)

Non-Thesis Plan (minimum 33 hr.)

 - 3) Required Courses (15 hr.)

Twelve hours in Education

EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)

EDUC 0803.641 Curriculum Development in the Secondary School (3 hr.)

EDUC 0801.691 Introduction to Research in Education (3 hr.)

EDUC 0803.681 Seminar in Secondary Education (3 hr.)

Three hours in Psychology

PSYC 2001.511 Developmental Psychology (3 hr.)
 - 4) Elective Courses (18 hr.) At least 9 hr. must be selected from courses numbered 500 to 699. Educational electives will be planned in terms of the needs and goals of the individual student and must be approved by the advisor.

Category A—9 hr. in Education

Category B—6 hr. in departments other than Education. (Fewer than 6 hours may be earned in departments other than education with the approval of the program coordinator)

Category C—3 hr. from any department, including Education
 - b. Program B (Specialization in a Teaching Area)

Thesis Plan (minimum 33 hr.)

 - 1) Required courses are identical to those in Program A. Thesis Plan. Students in the Physical Education Specialization may substitute EDEC 0835.509, Psychology of Motor Learning, for PSYC 2001.511, Developmental Psychology.

- 2) Elective courses (18 hr.). These are to be selected from courses approved by the graduate advisor, and must include a minimum of 9 hr. at the 500 to 600 level.
- Non-Thesis Plan (minimum 36 hr.)
- 3) Required courses are identical to those in Program A. Non-Thesis Plan. Students in the Physical Education Specialization may substitute ECED 0835.509, Psychology of Motor Learning, for PSYC 2001.511 Developmental Psychology.
- 4) Elective Courses (21 hr.). These are to be selected from courses approved by the graduate advisor, and must include a minimum of 12 hr. at the 500 to 600 level. At least 3 hr. of the electives must be in Education.
- c. Program C (Specialization in Social Restoration Education)
Non-Thesis only (Minimum 36 hr., 27 of which must be at the 500-600 levels)
 - 1) Required Courses (24-27 hr.)
 - EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)
 - EDUC 0801.691 Introduction to Research in Education (3 hr.)
 - EDUC 0802.431 Diagnosis and Prescription for Learning Difficulties (3 hr.)
 - EDUC 0803.647 The Teaching Process: Secondary (3 hr.)
 - EDUC 0803.681 Seminar in Secondary Education (3 hr.)
 - PSYC 2001.540 Mental Hygiene in Education (3 hr.)
 - EDUC 0803.641 Curriculum Development in the Secondary School (3 hr.)
 - EDUC 0801.689 Internship in Education (3-6 hr. depending upon teaching experience). The internship may be waived and other credits substituted if the student has 2 years of successful teaching experience in an institution of social restoration.
 - 2) Elective Courses (12 hr.)
 - One course from:
 - EDUC 0801.425 Corrective Reading (3 hr.)
 - EDUC 0803.360 Teaching Reading in Secondary School (3 hr.)
 - EDUC 0803.461 Teaching Reading in Secondary School Content Areas (3 hr.)
 - Another graduate Reading course may be approved to substitute for one of the above.
 - One course from:
 - SOCI 2208.355 Juvenile Delinquency (3 hr.)
 - SOCI 2208.353 Criminology (3 hr.)
 - SOCI 2208.370 Topics in Sociology: Corrections (3 hr.)
 - One course from:
 - PSYC 2001.425 Introduction to the Helping Relationship (3 hr.)
 - PSYC 2001.421 Application of Behavioral Principles to Family and Classroom (3 hr.)
 - PSYC 2001.471 Vocational Counseling (3 hr.)
 - One course from:
 - PSYC 2001.570 Referral Sources for the School Age Child (3 hr.)
 - PSYC 2001.321 Adolescent Psychology (3 hr.)
- d. Program D (Specialization in Economic Education) (36 hr.)
 - 1) Required Courses (15 hr.)
 - EDUC 0801.501 Educational Ideas in Historical Perspective (3 hr.)

EDUC 0803.641 Curriculum Development in Secondary School (3 hr.)

EDUC 0801.691 Introduction to Research in Education (3 hr.)

PSYC 2001.511 Developmental Psychology (3 hr.)

EDUC 0803.681 Seminar in Secondary Education (3 hr.) (Non-Thesis Option)

OR

EDUC 0803.699 Master's Thesis in Secondary Education (Thesis Option)

2. Required Courses in Economics (15 hours from the following)*
 - a. Proseminar in Economic Issues (3 hr.)
 - b. Workshop in Economic Education (3 hr.)
 - c. Intermediate Price Theory (3 hr.)
 - d. Macroeconomic Theory (3 hr.) OR
 - e. History of Economic Thought (3 hr.)
 - f. Practicum in Economics (May be substituted for any one of the above economics courses if it has been taken as part of another degree program)
 - g. ECON Independent Study (Same conditions as f.)
3. Elective Courses (Minimum 6 hours)
 - a. Suggested for Community College Teaching
 - EDUC 0803.531 The Community College (3 hr.)
 - EDUC 0803.533 Curriculum and Instruction in the Community College (3 hr.)
 - b. Suggested for Secondary Teachers
 - EDUC 0803.647 The Teaching Process: Secondary Education (3 hr.)
 - EDUC 0803.679 Seminar in Secondary School Social Studies (3 hr.)
 - EDUC 0803.683 Seminar in Secondary Supervision (3 hr.)
 - c. Suggested for Directors of Centers for Economic Education
 - EDUC 0823.647 The Teaching Process: Early Childhood Education (3 hr.)
 - EDUC 0802.647 The Teaching Process: Elementary Education (3 hr.)

NOTE: At least six hours of the Economics Courses must be at the 500/600 levels.

SPECIALIST CERTIFICATES

The post-baccalaureate student in Early Childhood Education, Elementary Education or Secondary Education may select a fifteen-hour component of the program which culminates in the awarding of a specialist certificate in one of the following areas:

Early Childhood Education—

Children With Special Needs

Elementary Education

Curriculum Development

Educating the Gifted

The Exceptional Child in the Elementary School

Reading

Administration and Supervision of Elementary and Middle Schools

Secondary Education

Adult Education

Secondary Teaching Strategies and Classroom Management

The Community College

The Exceptional Adolescent in the Secondary School

Teaching in the Middle School

Secondary School Reading

Secondary Supervision/Administration

Educational Evaluation

The student desiring to work toward a specialist certificate must enroll in the appropriate graduate program and declare his/her intent to complete this component of the program by completing a "Specialist Certificate Enrollment Form." Information regarding the specialist certificate component may be obtained by calling or writing to the Graduate Office.

COOPERATIVE MEd PROGRAMS WITH AN EM- PHASIS IN JEWISH STUDIES

Towson State University in cooperation with the Baltimore Hebrew College is offering a Jewish Studies specialization within the Early Childhood Education and Elementary Education M Ed programs. The student takes 12 hours of required courses at the Baltimore Hebrew College and 24 hours in the appropriate departmental program at Towson State University. The Jewish Studies specialization will be initiated in the Spring Semester 1981. Further information may be obtained by calling the Graduate Office at Towson State University (321-2500) or the Graduate Office at the Baltimore Hebrew College (466-7900 x 312).

COURSE DESCRIPTIONS

Course descriptions for all 500-level and 600-level courses offered by the College are listed in this section of the Bulletin. Course titles for 300-level and 400-level courses that carry graduate credit are also listed in this section of the Bulletin. Course descriptions for 300-level and 400-level courses may be found in the 1980-1981 Towson State University Bulletin.

Courses offered in any session are selected from the courses listed. Students should consult the course schedules issued by the Registrar's Office and the Continuing Studies' Office to determine the courses offered in a particular session.

Semesters of a year-long course whose numbers are assigned by a hyphen are to be taken in sequence. When course numbers are separated by a comma, either semester may be taken independently of the other.



ART

Chairperson: James W. Flood

Graduate Departmental Coordinator, Art Education Program: Stanley Pollack

ART COURSES (1001 Art and 0831 Art Education)

Upper Division—Undergraduate and Graduate

- 1001.314 THE ART OF ENAMELING ON METAL (3)
- 1001.318 JEWELRY (3)
- 1001.319 METALSMITHING (3)
- 1001.320 DESIGN FOR VISUAL COMMUNICATION II (3)
- 1001.321 FIBER CONSTRUCTION (3)
- 1001.323 PICASSO TO THE PRESENT (3)
- 1001.324 HENRY MOORE TO THE PRESENT (3)
- 1001.325 FRANK LLOYD WRIGHT TO THE PRESENT (3)
- 1001.326 FABRIC DESIGN: DYEING (3)
- 1001.327 FABRIC DESIGN: PRINTING (3)
- 1001.328 WEAVING I (3)
- 1001.334 PHOTOGRAPHY II (3)
- 1001.335 COLOR PHOTOGRAPHY I (3)
- 1001.339 METAL SCULPTURE I (3)
- 1001.340 SCULPTURE: MODELING STUDIO II (3)
- 1001.342 SCULPTURE: CARVING STUDIO II (3)
- 1001.343 GREEK AND ROMAN ART (3)
- 1001.344 BYZANTINE TO GOTHIC ART (3)
- 1001.345 ITALIAN RENAISSANCE ART: 15th-16th CENTURIES (3)
- 1001.346 THE BAROQUE AND 18th CENTURY (3)
- 1001.373 ILLUSTRATION (3)
- 1001.405 ART PRINCIPLES AND CRITICISM (3)
- 1001.413 ENAMELING II (3)
- 1001.414- ADVANCED STUDIO (2-3, 2-3, 2-3)
- .415-
- .416
- 1001.418 JEWELRY II (3)
- 1001.428 WEAVING II (3)
- 1001.431 ADVANCED CERAMICS (3)
- 1001.432 CERAMIC RAW MATERIALS (3)
- 1001.433 ADVANCED PAINTING: OILS (3)
- 1001.434 ADVANCED PAINTING: WATERCOLOR (3)
- 1001.439 METAL SCULPTURE II (3)
- 1001.440 SCULPTURE: MODELING STUDIO III (3)
- 1001.442 SCULPTURE: CARVING STUDIO III (3)
- 1001.445 RELIEF PROCESS II (3)
- 1002.447 SCREEN PROCESS II (3)
- 1001.449 INTAGLIO PROCESS I (3)
- 1001.450 INTAGLIO PROCESS II (3)
- 1001.451 LITHOGRAPHIC PROCESS I (3)
- 1001.453 LITHOGRAPHIC PROCESS II (3)
- 1001.461 INTRODUCTION TO ART THERAPY I (3)
- 1001.462 INTRODUCTION TO ART THERAPY II (3)
- 1001.485 SEMINAR IN ART HISTORY (3)
- 1001.494 TRAVEL & STUDY ABROAD (3-6)

ART EDUCATION COURSES (0831)

0831.471 ADVANCED ART EDUCATION (3)

Graduate Division

1001.511 DRAWING (3) Advanced problems in expressive draftsmanship. Prerequisite: 1001.211 or consent of instructor.

1001.514-515-516 GRADUATE STUDIO (2-3, 2-3, 2-3) Independent work for graduate students in field of special interest. Prerequisite: All other courses in particular field completed, or written consent of instructor. The student must make arrangements in advance of registration with the instructor of his/her choice.

1001.529 OIL PAINTING (3) For students with previous experience in painting; consideration of current trends and styles; studio work, museum visits, lectures. Prerequisite: 1001.329 or equivalent.

1001.530 WATERCOLOR (3) Consideration of current trends and outstanding painters and styles. Studio work, museum visits, lectures. Prerequisite: 1001.330 or consent of instructor.

1001.531 CERAMICS (3) Advanced work in ceramic design and techniques of glazes, clay bodies, firing. Prerequisite: 1001.331 or consent of instructor.

1001.540 GRADUATE SCULPTURE I (3) Both directed and independent studio problems for students who wish to continue in selected sculptural areas. Prerequisites: 1001.340 or 1001.241 or 1001.339 or 1001.342 or any 400-level course, or consent of instructor.

1001.541 GRADUATE SCULPTURE II (3) Continued studio problems in selected sculptural areas. Prerequisites: 1001.540 or consent of instructor.

1001.551 GRAPHICS: INTAGLIO, RELIEF (3) Studio work of artists with a basic knowledge of intaglio and/or relief processes. Aspects of mixed media explored. Prerequisite: 1001.349 or 1001.449 or equivalent.

1001.553 GRAPHICS: LITHOGRAPHY, SERIGRAPHY (3) Studio work for artists with a basic knowledge of lithography and/or serigraphy. Prerequisite: 1001.347 or 1001.451 or equivalent.

1001.698 GRADUATE PROJECT IN ART (3) If this is approved, student will pursue his/her project in an exhibition of his/her work plus a paper defining the project's scope and philosophy. Prerequisite: consent of department chairperson.

1001.699 THESIS (3) A carefully executed research and accurate recording of a specific topic in art, art education, art history or other approved area. Includes an outline of the proposed thesis submitted for inspection and approval by the art department graduate advisor. Prerequisite: 1001.697.

ART EDUCATION COURSES (0831)

0831.595 RESEARCH IN ART AND ART EDUCATION (3) Methods of research applicable to art and art education. Examination of recent research in this field. Preparation of research outline in area of choice. Prerequisite: consent of instructor.

0831.697 SEMINAR IN ART EDUCATION (3) Investigation of problems and theories in art education and related fields. To be taken as final course in Master's program. Prerequisites: 0831.595 and consent of instructor.

BIOLOGICAL SCIENCES

Chairperson: Richard Hilton

Graduate Departmental Coordinator: Biology Program: Robert E. Shoemaker

BIOLOGY COURSES (0401)

Upper Division—Undergraduate and Graduate

| | |
|----------|--|
| 0401.002 | DISSECTION OF THE UPPER EXTREMITY (2) Minimester |
| 0401.301 | FIELD NATURAL SCIENCE (4) |
| 0401.303 | LIFE SCIENCES FOR THE ELEMENTARY TEACHER (3) |
| 0401.305 | ELECTRON MICROSCOPY (4) |
| 0401.310 | ENVIRONMENTAL CONSERVATION (4) |
| 0401.315 | MEDICAL MICROBIOLOGY (4) |
| 0401.318 | MICROBIOLOGY (4) |
| 0401.322 | MICROTECHNIQUE (4) |
| 0401.331 | FIELD AND SYSTEMATIC BOTANY (4) |
| 0401.341 | PHYCOLOGY (4) |
| 0401.345 | MYCOLOGY (4) |
| 0401.351 | FIELD AND SYSTEMATIC VERTEBRATE ZOOLOGY (4) |
| 0401.353 | INVERTEBRATE ZOOLOGY (4) |
| 0401.360 | HISTOLOGY (3) |
| 0401.367 | GENERAL ENDOCRINOLOGY (3) |
| 0401.368 | EXPERIMENTAL ENDOCRINOLOGY (2) |
| 0401.371 | ANIMAL BEHAVIOR (4) |
| 0401.381 | BIOLOGICAL LITERATURE (2) |
| 0401.383 | HISTORY OF BIOLOGICAL CONCEPTS (3) |
| 0401.385 | SELECTED GENERAL PRINCIPLES IN BIOLOGY (3) |
| 0401.387 | BIOLOGY IN SOCIETY (3) |
| 0401.395 | COURSE RESEARCH (1) |
| 0401.401 | GENETICS (4) |
| 0401.402 | GENERAL ECOLOGY (4) |
| 0401.403 | ADVANCED GENETICS (3) |
| 0401.404 | ECOLOGICAL TECHNIQUES (3) |
| 0401.406 | LIMNOLOGY (4) |
| 0401.408 | CELL BIOLOGY (4) |
| 0401.411 | WILDLIFE BIOLOGY (4) |
| 0401.413 | EVOLUTION (3) |
| 0401.417 | MICROBIAL ECOLOGY (4) |
| 0401.421 | IMMUNOLOGY (3) |
| 0401.429 | BIOANALYSIS (3) |
| 0401.431 | HORTICULTURE (4) |
| 0401.432 | VASCULAR PLANT TAXONOMY (4) |
| 0401.433 | PLANT SPECIATION (3) |
| 0401.435 | PLANT ECOLOGY (4) |
| 0401.436 | PLANT PHYSIOLOGY (4) |
| 0401.439 | PLANT ANATOMY (4) |
| 0401.441 | PATHOLOGY (4) |
| 0401.456 | ORNITHOLOGY (4) |
| 0401.458 | MAMMALOLOGY (4) |
| 0401.461 | ENTOMOLOGY (4) |
| 0401.463 | ANIMAL EMBRYOLOGY (4) |
| 0401.465 | MAMMALIAN PHYSIOLOGY (4) |
| 0401.467 | HERPETOLOGY (4) |

- 0401.469 COMPARATIVE ANIMAL PHYSIOLOGY (4)
- 0401.481 DIRECTED READINGS IN BIOLOGY (1-3)
- 0401.486 SEMINAR: SPECIAL TOPICS IN BIOLOGY (1-2)
- 0401.491 INDEPENDENT RESEARCH IN BIOLOGY (2-3)
- 0401.494 TRAVEL STUDY (1-3)
- 0401.495 COURSE RESEARCH (1)

Graduate Division

0401.501 CURRENT TOPICS IN BIOLOGY (3) Discussion of current topics in a specific area of biology. The area will vary each time the course is offered. A maximum of three credits allowable for MS degree in Biology. Prerequisite: a suitable background in the area emphasized.

0401.505 PROBLEMS IN BIOLOGY (1-3) Laboratory or literature research on a particular problem of interest to the student that does not pertain to his thesis. Regular conferences with the instructor are required. A preliminary paper is submitted for discussion, suggestions and corrections. The final paper should incorporate the necessary changes. Credits to be arranged by consultation with the instructor. A maximum of three credits allowable for MS degree in Biology.

0401.507 PHYSIOLOGICAL ANIMAL ECOLOGY (4) A study of the physiological responses of animals to varying ecological conditions. Prerequisite: 0401.304, 0401.465.

0401.509 AQUATIC BIOLOGY (4) A study of freshwater and brackish water plants and animals of the local area with a field emphasis. Several representative habitats are considered comparatively, using various methods of collecting and identifying species of the fauna and flora. Prerequisite: 0401.331, 0401.351, 0401.406, 0401.353 or consent of instructor.

0401.532 PLANT BIOSYSTEMATICS (4) A study of the techniques employed in the analysis of vascular plant life histories and species variation. Local plant populations and species are used in these studies. Prerequisite: 0401.331; 0401.432 recommended.

0401.533 PLANT MORPHOGENESIS (4) The morphological growth and development of plants in response to natural and artificial stimuli at the cellular, tissue, and organ level. Prerequisite: 0401.439.

0401.535 PHYSIOLOGICAL PLANT ECOLOGY (4) Physiological interactions between plants and environments at the organism level. Examination of environmental factors including light, water, and nutrients and biological factors including competition and phytotoxins as they affect the physiology and distribution of plants. Prerequisite: 0401.402; 0401.436 recommended, or consent of instructor.

0401.553 BIOLOGY OF FRESHWATER INVERTEBRATES (4) An advanced study of invertebrates including classification, adaptive strategies and various ecological parameters influencing distribution of local fauna in freshwaters. Parasitic forms are excluded. Prerequisite: 0401.353 and 0401.461 or consent of instructor. Spring, even numbered years.

0401.561 INSECT ECOLOGY (4) A study of insect communities and populations, emphasizing conditions of the environment that favor abundance of insects in various habitats. Field work involves examination of various aquatic and terrestrial habitats. Prerequisite: 0401.461; 0401.353 recommended.

0401.581 RECENT ADVANCES IN BIOLOGY (4) A study of current factual and technological advances in the five following areas: botany, zoology, ecology, genetics and evolution, cellular and molecular biology. Completion of this course with a grade of "B" or better fulfills the department Advancement to Degree Candidacy examination requirement. Prerequisite: 9 graduate credits in biology.

0401.601 NON-THESIS LABORATORY RESEARCH (3) An individual laboratory research project is conducted with the guidance of a graduate faculty advisor after approval of the research proposal by the research committee. Credit is granted after the paper has been successfully defended to the student's research committee. Prerequisite: advancement to degree candidacy.

0401.603 NON-THESIS LIBRARY RESEARCH (3) A professional paper is prepared with the guidance of a graduate faculty advisor after approval of the topic by a research committee. The paper is based upon an extensive literature survey. The student can expect to make several revisions before an acceptable paper is achieved. Credit is granted upon successful defense of the paper to the student's research committee. Prerequisite: advancement to degree candidacy.

0401.697 GRADUATE SEMINAR (1) Student reports and discussion dealing with biological research. An outline of the seminar and a bibliography are required. A maximum of one credit is allowable for the MS degree in Biology.

0401.699 THESIS (6) An original investigation to be pursued under the direction of one or more faculty members. Credit is granted only after the thesis has been accepted by the student's thesis committee.

BUSINESS ADMINISTRATION

Chairperson: William R. Brown

BUSINESS ADMINISTRATION COURSES (0506)

Upper Division—Undergraduate and Graduate

- 0506.325 BUSINESS LAW I (3)
- 0506.331 FINANCIAL MANAGEMENT (3)
- 0506.332 ADVANCED CORPORATE FINANCE (3)
- 0506.341 MARKETING MANAGEMENT (3)
- 0506.361 MANAGEMENT THEORY (3)
- 0506.363 QUANTITATIVE METHODS FOR BUSINESS (3)
- 0506.381 PERSONNEL MANAGEMENT (3)
- 0506.421 INTERNATIONAL TRANSPORTATION (3)
- 0506.435 INTERNATIONAL FINANCE (3)
- 0506.441 MARKETING RESEARCH (3)
- 0506.442 CASES IN MARKETING MANAGEMENT (3)
- 0506.445 INTERNATIONAL MARKETING (3)
- 0506.451 INDUSTRIAL RELATIONS (3)
- 0506.452 GRIEVANCES AND ARBITRATION (3)
- 0506.455 SMALL BUSINESS DEVELOPMENT (3)
- 0506.457 PUBLIC SECTOR COLLECTIVE BARGAINING (3)
- 0506.461 ANALYSIS OF INDUSTRIAL ORGANIZATIONS (3)
- 0506.463 SEMINAR IN LEADERSHIP (3)
- 0506.481 ADVANCED BUSINESS POLICY WORKSHOP (3)

Graduate Division

0506.570-79 SPECIAL TOPICS IN BUSINESS (3) Course content varies with each topic. Course is designed to provide an in-depth study of contemporary business issues as they affect current management practices. Prerequisites: Consent of instructor. Special permit only.

0506.595 INDEPENDENT STUDY IN BUSINESS ADMINISTRATION (3) Preparation of a comprehensive paper dealing with specific topics in the general areas of finance, management, personnel, marketing, or accounting. Extensive readings form the basis for original study in the specifically selected area of investigation by the graduate student. Prerequisites: 9 hr. of graduate business credits; special permit.

CHEMISTRY

Chairperson: Alan S. Wingrove

CHEMISTRY COURSES (1905)

Upper Division—Undergraduate and Graduate

- 1905.341 PHYSICAL CHEMISTRY—THERMODYNAMICS (3)
- 1905.342 PHYSICAL CHEMISTRY—STRUCTURE AND KINETICS (3)
- 1905.343 PHYSICAL CHEMISTRY LABORATORY I (1)
- 1905.344 PHYSICAL CHEMISTRY LABORATORY II (1)
- 1905.350 PRINCIPLES OF BIOCHEMISTRY (5)
- 1905.353 BIOCHEMISTRY (5)
- 1905.361 CHEMICAL AND BACTERIOLOGICAL STUDIES ON WATER POLLUTION (3)
- 1905.363 CHEMISTRY OF DANGEROUS DRUGS (3)
- 1905.365 POLYMER CHEMISTRY (3)
- 1905.367 FORENSIC CHEMISTRY (3)
- 1905.369 ORGANOMETALLIC CHEMISTRY (3)
- 1905.371 SPECTROMETRIC METHODS IN CHEMISTRY (4)
- 1905.383 MODERN CHEMISTRY: PRINCIPLES AND APPLICATIONS I (3)
- 1905.384 MODERN CHEMISTRY: PRINCIPLES AND APPLICATIONS II (3)
- 1905.391-394 SPECIAL PROBLEMS IN CHEMISTRY (1-3)
- 1905.401 SEMINAR IN CHEMISTRY (1)
- 1905.411 INSTRUMENTAL METHODS OF ANALYSIS (5)
- 1905.412 ADVANCED ANALYTICAL CHEMISTRY (3)
- 1905.422 INORGANIC CHEMISTRY (4)
- 1905.431 ADVANCED ORGANIC CHEMISTRY LABORATORY (3)
- 1905.432 ADVANCED ORGANIC CHEMISTRY (3)
- 1905.441 ADVANCED PHYSICAL CHEMISTRY (3)
- 1905.452 ADVANCED BIOCHEMISTRY (3)
- 1905.453 ADVANCED BIOCHEMISTRY LABORATORY (2)
- 1905.491-492-493 INTRODUCTION TO RESEARCH IN CHEMISTRY (1-3)

Communication Sciences and Disorders

Chairperson: Bill L. Wallace

Graduate Departmental Coordinator: Speech Pathology and Audiology

Program: Charles Lonegan, Jr.

SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY COURSES (1220)

Upper Division—Undergraduate and Graduate

- 1220.300 ANATOMY AND PHYSIOLOGY OF THE AUDITORY AND VOCAL MECHANISM (3)
- 1220.301 HEARING AND SPEECH SCIENCE (3)
- 1220.302 SPEECH AND LANGUAGE PATHOLOGY I—ARTICULATION (3)
- 1220.304 SPEECH AND LANGUAGE PATHOLOGY II—LANGUAGE (3)
- 1220.305 STUTTERING—ETIOLOGY AND THERAPY (3)
- 1220.306 SPEECH AND LANGUAGE PATHOLOGY III—ORGANIC DISORDERS (3)
- 1220.321 INTRODUCTION TO AUDIOLOGY (3)
- 1220.404 PROFESSIONAL PROGRAM, PROBLEMS AND RELATIONSHIPS (3)
- 1220.407 AURAL HABILITATION/REHABILITATION (3)
- 1220.409 LANGUAGE & SPEECH ACQUISITION FOR THE HEARING IMPAIRED (3)
- 1220.431 IDENTIFICATION AUDIOMETRY (3)
- 1220.470-
.479 SPECIAL TOPICS SEMINAR IN SPEECH/LANGUAGE PATHOLOGY AND AUDIOLOGY (3)
- 1220.481 DIALECTS OF ETHNIC GROUPS IN AMERICAN SOCIETY (3)
- 1220.486 CLINICAL OBSERVATION AND TECHNIQUES (3)
- 1220.489 CLINICAL COUNSELING IN AUDIOLOGY AND SPEECH PATHOLOGY (3)
- 1220.490 VOICE DISORDERS: ETIOLOGY, DIAGNOSIS, TREATMENT AND RESEARCH (3)
- 1220.491 ARTICULATION DISORDERS: ETIOLOGY, DIAGNOSIS, TREATMENT AND RESEARCH (3)
- 1220.497 DIRECTED READINGS IN SPEECH PATHOLOGY AND AUDIOLOGY (1-4)
- 1220.498 PROCTORING IN SPEECH AND LANGUAGE PATHOLOGY AND AUDIOLOGY (3)

Graduate Division

1220.501 SEMINAR IN LANGUAGE DISORDERS OF CHILDREN (3)

Investigation of mental retardation, emotional disturbance and hearing loss in children in terms of speech and language disorders. Prerequisites: 1220.105, 1220.302.

1220.505 NEUROPATHOLOGIES OF SPEECH (3) Review of basic neuroanatomy and neurophysiology relevant to communication impairment resulting from brain injury. Symptomatology, evaluation procedures and therapeutic techniques relevant to the management of aphasia, apraxia, and dysarthria. Prerequisites: 1220.306 and 1220.487.

1220.507 DIAGNOSTIC METHODS IN SPEECH PATHOLOGY (3) Standardized and non-standardized techniques for testing the speech, language and general intellectual functioning of children and adults. Practicum experience in speech evaluations and report writing. Prerequisites: 1220.485, 1220.505.

1220.511 SEMINAR IN APPLICATION OF LINGUISTICS TO SPEECH PATHOLOGY (3) Investigation of traditional and contemporary research in the area of psycholinguistics and generative grammar. Application of this to diagnosis and management of those with language disorders. Prerequisite: 1220.105.

1220.513 RESEARCH DESIGN SEMINAR IN SPEECH/LANGUAGE PATHOLOGY AND AUDIOLOGY (1) Discussion of research methods, techniques and needs in speech pathology and audiology. Reading and understanding professional journal articles. Prerequisite: consent of instructor.

1220.521 SEMINAR IN DIAGNOSIS OF DISORDERS OF THE AUDITORY SYSTEM (3) This advanced course is designed to provide graduate students in Audiology & Speech Pathology with the history, rationale and procedures of audiological delineation of the disorders of the auditory system. Prerequisite: consent of instructor.

1220.531 SEMINAR IN PSYCHOACOUSTIC INSTRUMENTATION AND CALIBRATION (3) This advanced course is intended to provide graduate students in Audiology and Speech Pathology with an overview of the devices which form a core of equipment for auditory investigation and some of the principles and problems which accompany their use. Prerequisite: consent of instructor.

1220.541 AUDIOLOGY SEMINAR—PSYCHOACOUSTICS (3) This advanced course is intended to provide graduate students in audiology with an opportunity to pursue in-depth studies in psychoacoustics. Prerequisite: consent of instructor.

1220.542 AUDIOLOGY SEMINAR—BIOACOUSTICS (3) This advanced course is intended to provide graduate students with an opportunity to pursue in-depth studies in bioacoustics. Prerequisite: consent of instructor.

1220.543 AUDIOLOGY SEMINAR—NEUROPHYSIOLOGY OF HEARING (3) This advanced course is intended to provide graduate students with an opportunity to pursue in-depth studies in the neurophysiology of audition. Prerequisite: consent of instructor.

1220.544 AUDIOLOGY SEMINAR—CURRENT TOPICS IN AUDITION (3) This advanced course is intended to provide graduate students with an opportunity to pursue in-depth studies of current interest in audition. Prerequisite: consent of instructor.

1220.551 INDUSTRIAL AND ENVIRONMENTAL AUDIOLOGY (3) This course is designed to provide extensive information in the area of noise and its effect on hearing. Industrial, community, and environmental aspects will be covered including hearing conservation programs. Prerequisite: Consent of instructor.

1220.553 AUDIOLOGIC MANAGEMENT OF CHILDREN (3) Principles and techniques for identifying and evaluating hearing impaired children; consideration of multiple handicaps; demonstration and practice. Prerequisites: 1220.341 or consent of instructor.

1220.555 HEARING AID SELECTION AND SPEECH AUDIOMETRY (3) Rationale, methodology and use of speech signals for evaluation of the auditory system. Electroacoustic characteristics of various amplifying systems utilized with the hearing impaired. Consideration of principles and methods of hearing aid selection and usage with an infant through geriatric population. Prerequisite: Consent of instructor.

1220.601 SEMINAR IN LANGUAGE AND COGNITION (3) This course deals with the strategies and processes by which children learn language. The theory of cognitive development as it relates to recent views of language acquisition will be discussed. Prerequisite: 1220.105 and/or consent of the instructor.

1220.602 COMMUNICATION DISORDERS IN MENTAL RETARDATION SEMINAR (3) Nature, etiology, development, evaluation and habilitation of individuals diagnosed as mentally retarded with emphasis in the associated speech-language and hearing disorders and their treatment. Prerequisite: Instructor approval.

1220.645 ADVANCED CLINICAL PRACTICUM (1) Experience in the College Clinic as well as externship in public schools, hospital clinics, and rehabilitation settings with the speech-defective. Introduction to the supervision of undergraduate trainees. Prerequisite: 1220.487 and/or professional experience.

1220.695 GRADUATE RESEARCH PAPER IN SPEECH PATHOLOGY AND AUDIOLOGY (3) Preparation of extensive paper dealing with a current area of research in the field or with the results of a clinical experience. Prerequisite: consent of department.

1220.696 INDEPENDENT STUDY IN SPEECH PATHOLOGY AND AUDIOLOGY (3) Preparation of an extensive paper dealing with professional clinical experiences. Discussion of techniques, innovations, methods employed and recommendations for improvement. Prerequisite: professional experience.

1220.697 DIRECTED READINGS IN SPEECH PATHOLOGY AND AUDIOLOGY (3) Directed reading in selected areas of Speech, Language Pathology and Audiology in order to provide the graduate student an opportunity for a comprehensive coverage of a specially selected area within the broader area of communication disorders and to meet special needs of students. Prerequisites: graduate standing and invitation of department.

Economics and Political Science

Chairperson: Michael Grossman

ECONOMICS COURSES (2204)

Upper Division—Undergraduate and Graduate

- 2204.309 INTERMEDIATE PRICE THEORY (3)
- 2204.323 MONEY AND BANKING (3)
- 2204.335 MACROECONOMIC THEORY (3)
- 2204.401 HISTORY OF ECONOMIC THOUGHT (3)
- 2204.490 INDEPENDENT STUDY (1-3)
- 2204.493 WORKSHOP ON ECONOMIC EDUCATION (3)
- 2204.495 PRO-SEMINAR ON ECONOMIC ISSUES (3)
- 2204.497 PRACTICUM IN ECONOMICS

Graduate Division

2204.590 INDEPENDENT STUDY (3) Individual and supervised study in selected areas of economics. Prerequisite: Permission of instructor.

2204.595 SEMINAR IN ECONOMICS (3) Research and writing of papers on an economics issue selected by the instructor. Prerequisite: 2204.309, 2204.323 and 2204.335.

POLITICAL SCIENCE COURSES (2207)

Upper Division—Undergraduate and Graduate

- 2207.303 THEORY OF INTERNATIONAL POLITICS (3)
- 2207.305 URBAN GOVERNMENT AND POLITICS (3)
- 2207.307 CONTEMPORARY INTERNATIONAL POLITICS (3)
- 2207.337 COMPARATIVE GOVERNMENT OF FOREIGN POWERS:
THE WESTERN WORLD (3)
- 2207.338 COMPARATIVE GOVERNMENT OF FOREIGN POWERS:
RUSSIA AND THE EAST (3)
- 2207.339 COMPARATIVE POLITICAL SYSTEMS (3)
- 2207.341 AFRICAN GOVERNMENT AND POLITICS (3)
- 2207.351 THE GOVERNMENT AND POLITICS OF LATIN AMERICA
(3)
- 2207.355 THE LATIN AMERICAN POLICY OF THE UNITED
STATES (3)
- 2207.359 POLITICAL AND SOCIAL ASPECTS OF REVOLUTION (3)
- 2207.361 POLITICAL BEHAVIOR (3)
- 2207.375 PUBLIC ADMINISTRATION (3)
- 2207.381 THE PRESIDENCY (3)
- 2207.383 CONGRESS (3)
- 2207.401 INTRODUCTION TO LAW (3)
- 2207.417 AMERICAN POLITICAL PARTIES (2)
- 2207.418 CONSTITUTIONAL LAW (3)
- 2207.427 POLITICAL THEORY (2)
- 2207.428 POLITICAL THEORY II (3)
- 2207.430 POLITICAL IDEAS OF SOCIALISM AND COMMUNISM (3)
- 2207.432 UNITED STATES—SOVIET RELATIONS (3)
- 2207.435 AFRICA IN WORLD POLITICS (3)
- 2207.437 CASTRO AND THE CUBAN REVOLUTION (3)
- 2207.439 UNITED STATES FOREIGN POLICY IN SOUTHEAST
ASIA (3)
- 2207.441 CONTEMPORARY UNITED STATES-WESTERN EURO-
PEAN RELATIONS (3)
- 2207.445 UNITED STATES FOREIGN POLICY IN SOUTH ASIA (3)
- 2207.450 GROUP POLITICS AND PUBLIC OPINION (3)
- 2207.455-
.456 INTERNATIONAL LAW AND ORGANIZATION I, II (3-3)
- 2207.457 USE OF FORCE IN INTERNATIONAL LAW (3)
- 2207.461 RESEARCH METHODS IN POLITICAL BEHAVIOR (3)
- 2207.463 SCOPE AND METHODS OF POLITICAL SCIENCE (3)
- 2207.465 EDITORIAL WORK—TOWSON STATE JOURNAL OF IN-
TERNATIONAL AFFAIRS (1)
- 2207.470-
.479 SPECIAL TOPICS IN POLITICAL SCIENCE (3)
- 2207.482 SEMINAR IN POLITICAL SCIENCE (3)
- 2207.483 SEMINAR: POLITICS AND THE NEWS MEDIA (3)

- 2207.484 SEMINAR: POLITICS AND THE BUDGETARY PROCESS
(3)
2207.485 DEMOCRATIC THEORY SEMINAR (3)
2207.490 INDEPENDENT STUDY (3)
2207.491 SEMINAR IN CONTEMPORARY UNITED STATES
FOREIGN POLICY (3)
2207.493 PRACTICUM IN POLITICS (3-9)



FREDERICK C. ARNOLD
ACTING DEAN OF GRADUATE STUDIES

Education

Acting Dean and Director of Teacher Education: James Binko

Chairperson of Early Childhood Education: Marilyn Lewis

Chairperson of Elementary Education: Edward Holmes

Chairperson of Secondary Education and Foundations of Education:

Geneva Ely-Flickinger

Director of Reading: Joseph P. Gutkoska

Director of Laboratory Experience: Chandler Barbour

Director of Research at Learning Resources Center: Norma Hauserman

Director of Professional Programs: Royce W. Van Norman

GRADUATE DEPARTMENTAL COORDINATORS

Secondary Education Program: Margaret A. Kiley

Elementary Education Program: Joseph Suhorsky

Reading Program: Joseph P. Gutkoska

Early Childhood Education Program: Theodora Kimsey

EARLY CHILDHOOD EDUCATION COURSES (0823)

Upper Division—Undergraduate and Graduate

- 0823.403 THE CURRICULUM IN PRIMARY EDUCATION (3)
0823.411 PARENTS AND TEACHERS: PARTNERS IN EARLY
CHILDHOOD EDUCATION (3)
0823.415 THE DAY CARE CENTER (2)
0823.417 EARLY IDENTIFICATION OF LEARNING DISABILITIES (3)
0823.419 MEASUREMENT AND EVALUATION IN EARLY
CHILDHOOD EDUCATION (3)
0823.421 PROBLEMS IN EARLY CHILDHOOD EDUCATION (3)
0823.423 LABORATORY EXPERIENCES IN EARLY CHILDHOOD
EDUCATION (3)
0823.425 THE YOUNG BLACK CHILD IN A MULTICULTURAL
SOCIETY (3)
0823.437 MAINSTREAMING FOR THE CLASSROOM TEACHER (3)
0823.470- SPECIAL TOPICS IN EARLY
489 CHILDHOOD EDUCATION (1-3)
0823.494 TRAVEL AND STUDY—EARLY CHILDHOOD EDUCATION
(1-6)
0823.495 INDEPENDENT STUDY IN EDUCATION: EARLY
CHILDHOOD EDUCATION (1-4)
0823.496 DIRECTED READING: EARLY CHILDHOOD EDUCATION
(1-4)

Graduate Division

0823.509 GROWTH AND DEVELOPMENT OF YOUNG CHILDREN (3)

Study of findings of current research in growth and development of young children: methods of studying and evaluating behavior: implications of case study data for curriculum improvement.

0823.513 PROGRAMS FOR INFANTS AND CHILDREN UNDER THREE (3)

Nature of the infant and the very young child, types of programs providing care of infants and children under three, focus on developmental needs. Organization, Curriculum, and methods of working with parents and children. Examination of alternative programs. Observation. Utilization of resource persons from allied agencies. Prerequisites: 2001.511 and/or 823.509.

0823.515 ADMINISTRATION AND SUPERVISION OF PROGRAMS FOR YOUNG CHILDREN (3) Theory and practice of operating various programs for young children, such as infant centers, day care centers, nursery schools, and "head-start" programs. The director's role as related to such topics as: staff selection and training, curriculum planning, financing, liaison with agencies, community relations, evaluation and supervision of staff and programs. Prerequisite: 6 credits in Early Childhood Education. 0823.415 or its equivalent and experience working with children under 8 years.

0823.517 ADVANCED LEARNING DISABILITIES (3) Presents recent changes in theory and remediation; neuropsychology and neurophysiology of learning as applied to specific programs of remediations. A practical-clinical approach utilizing case studies, media presentation, group projects, lectures. Spring semester. Prerequisites: 6 credits psychology and 6 credits ECE.

0823.521 READING IN EARLY CHILDHOOD EDUCATION—ADVANCED (3) Emphasis on contemporary issues: advanced interpretative and critical evaluations of research in reading instruction in light of basic needs developmental levels, and individual differences in young children. Prerequisites: an undergraduate course in reading.

0823.553 PERCEPTUAL AND COGNITIVE DEVELOPMENT OF YOUNG CHILDREN (3) Survey of significant research affecting the theory and programs of educational for children aged three to eight years. Prerequisites: 2001.511 and/or 0823.509, and consent of Department of Early Childhood Education.

0823.573 SEMINAR IN EARLY CHILDHOOD EDUCATION (3) Seminar approach to current practices and trends in curriculum, materials, methods, and organization of educational programs for children aged from birth through eight years of age. A seminar paper is required. Prerequisites: 9 hours of graduate work in Early Childhood Education and 0801.691.

0823.599 MASTER'S THESIS IN EARLY CHILDHOOD EDUCATION (3)

0823.647 THE TEACHING PROCESS: EARLY CHILDHOOD EDUCATION (3) Study of recent theories, methods, and findings in research on the teaching process. Analysis of teaching behaviors and exploration of teaching strategies in educational programs for young children. Prerequisite: teaching experience. It is strongly recommended that students enrolling for this course be teaching since emphasis will be placed on classroom application of teaching strategies.

0823.670-674 SPECIAL TOPICS IN EARLY CHILDHOOD EDUCATION (1-3) In-depth study of a selected topic in Education. The specific requirements and prerequisites will vary with each topic and will be designated by the department each time a topic is scheduled. Approval by the appropriate Graduate Coordinator is required. Each topic may be taken as a separate course.

ELEMENTARY EDUCATION COURSES (0802)

Upper Division—Undergraduate and Graduate

- 0802.411 STAFF DEVELOPMENT AND LEADERSHIP IN THE
ELEMENTARY SCHOOL (3)
0802.413 DISCIPLINE AND CLASSROOM MANAGEMENT IN THE
ELEMENTARY SCHOOL (3)
0802.427 READING AND OTHER LANGUAGE ARTS IN THE
ELEMENTARY SCHOOL—ADVANCED (3)
0802.429 METHODS AND PRINCIPLES OF READING INSTRUCTION—ADVANCED (3)
0802.431 DIAGNOSIS AND PRESCRIPTION FOR LEARNING DIFFICULTIES (3)
0802.433 EDUCATING THE GIFTED (3)
0802.435 PSYCHOLINGUISTICS AND READING INSTRUCTION (3)
0802.437 MAINSTREAMING FOR THE CLASSROOM TEACHER (3)
0802.441 CURRICULUM DEVELOPMENT IN THE ELEMENTARY
SCHOOL (3)
0802.451 IMPLEMENTATION OF CAREER EDUCATION IN THE
ELEMENTARY SCHOOL (3)
0802.457 ENGLISH FOR THE NON-ENGLISH-SPEAKING CHILD (3)
0802.458 PRACTICUM: ENGLISH FOR THE NON-ENGLISH-
SPEAKING CHILD (1-4)
0802.470- SPECIAL TOPICS IN ELEMENTARY EDUCATION (1-3)
.489
0802.494 TRAVEL AND STUDY: ELEMENTARY EDUCATION (1-6)
0802.495 INDEPENDENT STUDY IN EDUCATION: ELEMENTARY
(1-4)
0802.496 DIRECTED READING: ELEMENTARY EDUCATION (1-4)

Nondepartmental Listings

- 1001.471 ADVANCED ART EDUCATION (3) (See Art Dept. Listings)
0401.303 LIFE SCIENCE IN THE ELEMENTARY SCHOOL (3)
(See Biology Dept. Listings)
1701.427 READINGS IN MATHEMATICS EDUCATION FOR THE
ELEMENTARY SCHOOL TEACHER (1-3)
(See Math Dept. Listings)
1902.303 EARTH-SPACE SCIENCE IN CHILDHOOD EDUCATION
(3) (See Physics Dept. Listings)
0834.371 TEACHING SCIENCE IN EARLY CHILDHOOD (2)
0834.376 TEACHING SCIENCE IN THE ELEMENTARY SCHOOL (3)
(See Physics Dept. Listings)
0834.470- SEQUENTIAL SCIENCE MODULES FOR THE ELEMEN-
.475 TARY SCHOOL TEACHER (1-3)
(See Physics Dept. Listing)
0834.488 AEROSPACE EDUCATION WORKSHOP (3)
(See Physics Dept. Listing)

Graduate Division

0834.585 SEMINAR IN ELEMENTARY SCHOOL SCIENCE (3)

Seminar approach to current practices and trends in organizing, teaching and improving programs in elementary school science. Each student conducts a limited research on some aspect of science teaching. Prerequisite: elementary teaching experience.

0802.531 DIAGNOSIS & PRESCRIPTION FOR LEARNING DIFFICULTIES—ADVANCED (3) Topics include the diagnostic teaching cycle, team learning styles, and effects of mainstreaming. Teaching strategies to improve auditory, visual, and verbal skills, cognitive skills related to arithmetic and reading comprehension, and classroom behavior, will be explored. Students must tutor one child as a requirement of the course. Prerequisite: 0801.425, or 0802.431, or consent of instructor.

0802.533 READING AND LANGUAGE ARTS FOR GIFTED STUDENTS (3) Teaching reading and language arts to gifted students, diagnosing levels and needs, evaluating programs, preparing an integrative unit, assessing techniques for teaching high-level comprehension and study skills, and locating resources for high-quality teaching. Prerequisite: one course in Children's Literature or Young Adult Literature or Reading and Language Arts, Advanced or Educating the Gifted or permission of instructor.

0802.548 INDIVIDUALIZING LEARNING IN THE ELEMENTARY SCHOOL (3) Theory of individualizing learning and restructuring of organizational patterns, with emphasis on behavioral objectives, learning centers, listening stations, task folders, and media centers. A written project is required. Prerequisite: certification and teaching experience, or consent of instructor.

0802.561 HUMANIZING THE CURRICULUM (3) Emphasis upon the philosophy, theories, and techniques in humanistic education. Study and practice in the development and use of methods, materials, and curricula for humanistic teaching. Prerequisite: student teaching, teaching experience, or consent of the instructor.

0802.565 THEORY AND PRACTICE OF CURRICULUM DEVELOPMENT IN THE ELEMENTARY SCHOOL (3) History of curriculum development in the elementary school; basic considerations affecting curriculum development; patterns of organization; objectives; practices and evaluation; problems in curriculum development. Prerequisite: consent of program coordinator.

0802.585 SEMINAR IN ELEMENTARY SCHOOL SOCIAL STUDIES (3) Trends, content, issues, and materials involved in the teaching of social studies. Each student will be expected to explore in depth one aspect of the subject and present his findings to the group.

0802.616 THE ADMINISTRATION OF THE ELEMENTARY SCHOOL (3) Analysis of principles of elementary school administration, the administrator's role and responsibilities, human relations and personnel management, public relations, management of the school unit and curriculum. Prerequisites: 3 years' teaching experience, teacher certification and 9 hr. of graduate credit.

0802.647 THE TEACHING PROCESS: ELEMENTARY EDUCATION (3) Study of recent theories, methods and findings in research on the teaching process. Analysis of teaching behaviors and exploration of teaching strategies in educational programs for elementary children. Prerequisites: teaching experience. (It is strongly recommended that students enrolling for this course be teaching since emphasis will be placed on classroom application of teaching strategies.)

0802.670-674 SPECIAL TOPICS IN ELEMENTARY EDUCATION (1-3) In-depth study of a selected topic in Education. The specific requirements and prerequisites will vary with each topic and will be designated by the department each time a topic is scheduled. Approval by the appropriate graduate coordinator is required. Each topic may be taken as a separate course.

0802.675 SEMINAR IN ELEMENTARY EDUCATION (3) Scientific investigation of selected aspects of education, with emphasis on classroom application. A paper involving description and evaluation of the investigation will be required. Prerequisite: 30 hr. of graduate work including 0801.691.

0802.681 SEMINAR IN ELEMENTARY SUPERVISION (3) Role of the supervisor; supervisory practices and techniques. Students may concentrate in areas related to their professional interests. Prerequisite: 9 hr. of graduate work.

0802.699 MASTERS' THESIS IN ELEMENTARY EDUCATION (3)

SECONDARY EDUCATION COURSES (0803)

Upper Division—Undergraduate and Graduate

- 0803.405 FIELD EXPERIENCES IN JUVENILE CORRECTIONAL INSTITUTIONS (3)
- 0803.421 THE JUNIOR HIGH SCHOOL (3)
- 0803.423 THE MIDDLE SCHOOL (3)
- 0803.425 TEACHING IN THE MIDDLE SCHOOL (3)
- 0803.431 DISCIPLINE AND CLASSROOM MANAGEMENT IN SECONDARY SCHOOLS (3)
- 0803.437 MAINSTREAMING FOR THE CLASSROOM TEACHER (3)
- 0803.457 METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE (3)
- 0803.458 (0803.358) TEACHING COMPOSITION IN THE SECONDARY SCHOOL (3)
- 0803.459 CONTEMPORARY MATERIALS FOR TEACHING ENGLISH IN SECONDARY SCHOOLS (3)
- 0803.460 TEACHING READING IN THE SECONDARY SCHOOL (3)
- 0803.461 TEACHING READING IN THE SECONDARY CONTENT AREAS (3)
- 0803.463 DEVELOPMENTAL READING FOR THE EARLY ADOLESCENT (3)
- 0803.470-489 SPECIAL TOPICS IN SECONDARY EDUCATION (1-3)
- 0803.494 TRAVEL AND STUDY IN SECONDARY EDUCATION (1-6)
- 0803.495 INDEPENDENT STUDY IN SECONDARY EDUCATION (1-4)
- 0803.496 DIRECTED READINGS IN SECONDARY EDUCATION (1-4)

Nondepartmental Listings

- 1701.429 READINGS IN MATHEMATICS EDUCATION FOR THE SECONDARY SCHOOL TEACHER (see Math. Dept. Listings)
- 0834.380 TEACHING SCIENCE IN THE SECONDARY SCHOOL (3)

Graduate Division

0802.511 DIAGNOSIS AND PRESCRIPTION OF LEARNING DISABILITIES OF SECONDARY SCHOOL STUDENTS (3) Nature and causes of learning disabilities of secondary and middle school pupils; psychological and pedagogical principles underlying remediation techniques of diagnosis and prescription for learning-disabled pupils. Prerequisites: Teaching Reading in the Secondary School (0803.460) or equivalent, teaching experience. (It is strongly recommended that students enrolling for this course be teaching, since emphasis will be placed on a practicum approach working with secondary pupils.)

0803.521 INDIVIDUALIZING LEARNING IN THE SECONDARY SCHOOL (3) Bases for individualizing instruction; organizational patterns; assessing pupil readiness and preparing goals; developing learning strategies in secondary content areas; grading and evaluation; implementing individualized programs on a classroom, departmental and school level. Prerequisite: teaching experience.

0803.531 THE COMMUNITY COLLEGE (3) A survey of the historical development of the community college movement, exploration of the present state and national patterns of community colleges, consideration of current student needs, examination of purposes and goals, evaluation of curriculum offerings, and study of problems of finance, accreditation and trends. Prerequisite: consent of instructor.

0803.533 CURRICULUM AND INSTRUCTION IN THE COMMUNITY COLLEGE (3) Community college educational programs; types of curricula; instructional techniques, evaluative procedures, community involvement and societal expectations; concerns and trends affecting curricular programs; curricular objects as related to institutional goals. Prerequisite: The Community College (0803.531) or the equivalent.

0803.549 TEACHING GIFTED STUDENTS IN THE SECONDARY SCHOOL (3) Study of the characteristics of gifted adolescents and investigation of appropriate education programs at the secondary school level, with emphasis on identification procedures, administrative arrangements, curriculum, and methodology together with an analysis of the role of the gifted in society. Prerequisites: graduate standing, 6 hr. of completed graduate work, and either teaching experience or consent of the graduate coordinator of Secondary Education.

0803.551 (451) SLOW LEARNER IN THE SECONDARY SCHOOL (3) Explores motivational devices, discipline, planning instruction, testing and evaluation for the slow learner as well as techniques for developing an adequate self-concept and maintaining a positive classroom atmosphere. Prerequisites: Teaching experience, student teaching, or consent of instructor. (It is strongly recommended that students enrolling for this course be teaching, since emphasis will be placed on a practicum approach working with secondary pupils.)

0803.641 CURRICULUM DEVELOPMENT IN THE SECONDARY SCHOOL (3) Principles and philosophies of curriculum development, objectives, practices and evaluation trends; the teacher's role. Prerequisite: consent of instructor.

0803.643 THE ADMINISTRATION OF THE SECONDARY SCHOOL

(3) Analysis of principles of school administration, the administrator's roles and responsibilities, human relations and personnel management, public relations, management of the school unit and curriculum. Prerequisite: 3 years' teaching experience, teacher certification and 9 hr. of graduate credit.

0803.647 THE TEACHING PROCESS: SECONDARY EDUCATION (3)

Study of recent theories, methods, and findings in research on the teaching process. Analysis of teaching behaviors and exploration of teaching strategies in educational programs for secondary students. Prerequisites: teaching experience. (It is strongly recommended that students enrolling for this course be teaching since emphasis will be placed on classroom application of teaching strategies.)

0803.651 SEMINAR IN MIDDLE SCHOOL CURRICULUM (3)

Status of the middle school; curriculum designs and programs; organization for instruction; teacher preparation programs; role of guidance and nature of the transience; special programs; community involvement; and evaluation of educational programs and experiences.

0803.653 SEMINAR IN SECONDARY SCHOOL CURRICULUM (3)

Theories, research, and evaluation in the field of secondary school curriculum, nature of present curriculum, rationale for curriculum development and analysis; integration of theory and practice. Prerequisite: A course in curriculum at the graduate level.

0803.670-674 SPECIAL TOPICS IN SECONDARY EDUCATION (1-3)

In-depth study of a selected topic in Education. The specific requirements and prerequisites will vary with each topic and will be designated by the department each time a topic is scheduled. Approval by the appropriate graduate coordinator is required. Each topic may be taken as a separate course.

0803.679 SEMINAR IN SECONDARY SCHOOL SOCIAL STUDIES (3)

A seminar approach to current research, trends, practices, issues, content, materials, and problems in the teaching of contemporary secondary school social studies. Individual reading and research will be pursued on selected topics, culminating in a seminar paper. Prerequisite: consent of instructor or prior teaching experience in social studies.

0803.681 SEMINAR IN SECONDARY EDUCATION (3)

Scholarly investigation of selected aspects of secondary education with emphasis on classroom application. A paper involving description and evaluation of the investigation will be required. Prerequisite: 24 hr. of graduate work including 0802.691, and attained Advanced to Candidacy Status. Not offered in Summer Sessions.

0803.683 SEMINAR IN SECONDARY SUPERVISION (3)

Role of the supervisor, supervisory practices and techniques. Students may concentrate in areas related to their professional interests. Prerequisite: 9 hr. of graduate work in the field of education.

0803.699 MASTERS' THESIS IN SECONDARY EDUCATION (3)

ADULT EDUCATION COURSES (0807)

Upper Division—Undergraduate and Graduate

0807.485 ADULT EDUCATION (3)

0807.487 TEACHING THE ADULT LEARNER (3)

0807.489 PRINCIPLES OF READING INSTRUCTION FOR ADULTS
(3)



Special Certification Programs

SAFETY AND DRIVER EDUCATION COURSES (0836)

Safety and Driver Education Courses carry graduate credit but may not be applied toward a Master's degree.

Upper Division—Undergraduate and Graduate

- 0836.430 PRINCIPLES OF ACCIDENT PREVENTION (3)
- 0836.431 HIGHWAY TRANSPORTATION SYSTEM AND DRIVER TASK ANALYSIS (3)
- 0836.433 MULTIPLE CAR FACILITIES AND ON-STREET INSTRUCTION IN DRIVER EDUCATION (3)
- 0836.434 FIXED BASE SIMULATION AND ON-STREET INSTRUCTION IN DRIVER EDUCATION (3)
- 0836.439 BASIC PUPIL TRANSPORTATION (3)
- 0836.440 ADVANCED PUPIL TRANSPORTATION (3)
- 0836.441 ADMINISTRATION AND SUPERVISION OF DRIVER EDUCATION (3)
- 0836.445 CURRICULUM DEVELOPMENT IN DRIVER EDUCATION (3)

SPECIAL EDUCATION COURSES (0808)

Upper Division—Undergraduate and Graduate

- 0808.441 SPECIAL NEEDS OF THE HANDICAPPED CHILD (3)
- 0808.481 METHODS AND MATERIALS FOR TEACHING THE VISUALLY IMPAIRED (3)
- 0808.483 BRAILLE READING AND WRITING (3)

Graduate Division

0808.541 INTERVENTION TECHNIQUES—CHILDREN WITH SPECIAL NEEDS (3) Designed to help teachers develop a wide range of intervention techniques to work with children with special needs. Includes curriculum and instructional strategies, discipline and crises intervention; parent conferencing. Prerequisites: 6 hrs. ECE (3 must be 0808.441 or equivalent), 6 hrs. psychology.

0808.641 INTERNSHIP—CHILDREN WITH SPECIAL NEEDS (3-6) This internship is designed to help teachers develop teaching skills and instructional strategies appropriate for working with children with special needs in a special education setting. Placements vary according to student interests and background. Spring, Fall, Minimester, and Summers under special circumstances. Prerequisites: Graduate standing; 0808.441 or equivalent, 0808.541 and 12 hrs. psychology.

GENERAL EDUCATION COURSES (0801)

Upper Division—Undergraduate and Graduate

- 0801.401 FOUNDATIONS OF EDUCATION (2-3)
- 0801.402 HISTORY OF EDUCATION (3)
- 0801.403 COMPARATIVE EDUCATION (3)
- 0801.405 PHILOSOPHY OF EDUCATION (3)
- 0801.406 RECENT TRENDS IN TEACHING (3)
- 0801.407 CONTEMPORARY ISSUES IN EDUCATION (3)

- 0801.409 FIELD STUDIES OF THE CHILD AND HIS COMMUNITY (2)
- 0801.411 OPEN EDUCATION: PHILOSOPHY AND PRACTICE (3)
- 0801.412 OPEN EDUCATION: INTERPERSONAL RELATIONS (3)
- 0801.413 SCHOOL LAW (3)
- 0801.414 EDUCATIONAL TESTS AND MEASUREMENTS (2-3)
- 0801.415 EDUCATIONAL STATISTICS (3)
- 0801.417 CHILDREN'S LITERATURE (3)
- 0801.418 YOUNG ADULT LITERATURE (3)
- 0801.425 CORRECTIVE READING (2-6)
- 0801.431 THE SCHOOL CURRICULUM (3)
- 0801.433 THE NON-GRADED CURRICULUM (3)
- 0801.435 TEACHING PHILOSOPHY IN THE SCHOOLS (3)
- 0801.445 HUMAN RELATIONS AND THE INDIVIDUAL (3)
- 0801.446 HUMAN RELATIONS AND THE COMMUNITY (3)
- 0801.449 CITIZENSHIP EDUCATION IN THE SCHOOL (3)
- 0801.451 GUIDANCE IN THE PUBLIC SCHOOL (2-3)
- 0801.453 SUPERVISORY PRACTICES IN TEACHER EDUCATION (3)
- 0801.455 INTRODUCTION TO CAREER DEVELOPMENT EDUCATION: THEORY AND PRACTICE (3)
- 0801.461 LANGUAGE AND THE URBAN CHILD (3)
- 0801.463 SEX ROLE DEVELOPMENT IN THE SCHOOLS (2-3)
- 0801.467 TEAM TEACHING WORKSHOP (3)
- 0801.470-
.489 SPECIAL TOPICS IN EDUCATION (1-3)
- 0801.494 TRAVEL AND STUDY, EDUCATION: (PROJECT TO BE NAMED) (1-6)
- 0801.495 INDEPENDENT STUDY IN EDUCATION (1-4)
- 0801.496 DIRECTED READINGS IN EDUCATION (1-4)

Graduate Division

0801.501 EDUCATIONAL IDEAS IN HISTORICAL PERSPECTIVE (3) Current trends and issues in education as reflecting and influencing the social, economic, and political forces in our cultural heritage. Prerequisite: 0801.401 or 0801.402 or 0801.405.

0801.507 HOME, SCHOOL, COMMUNITY (3) The interaction between home and school and community in educational programs; survey and evaluation of techniques for working with parents; study of various agencies contributing to the education and well-being of children and youth at home and at school. Prerequisites: a course in Sociology and approval of Department of Education.

0801.511 SUPERVISION OF STUDENT TEACHING (3) An analysis of the roles of the cooperating teacher, college supervisor, and student teacher; current practices, issues, problems, trends and evaluation in laboratory experiences, current research. Prerequisite: teaching experience.

0801.514 EDUCATIONAL TESTS AND MEASUREMENTS FOR RESEARCH (3) Problems in measurement; principles underlying choice of test instruments; survey of test literature; dealing with test data; correlation and interpretation of tests; construction of experimental research designs. Recommended for students intending to enroll in 0801.691. Not open to those who have had 0801.414.

0801.521 READING DISABILITIES (3) The content of this course includes the following: causes of reading disabilities, observation and interview procedures, standard and informal tests, report writing, diagnosis and correction of reading difficulties. Prerequisite: one undergraduate course in the teaching of reading.

0801.523 METHODS AND MATERIALS IN TEACHING READING IN THE ELEMENTARY SCHOOL (3) A course in the foundations of reading instructions. Covers trends in methods, materials, and individualized reading designs essential to the organization and administration of a developmental reading program. Prerequisite: one undergraduate course in teaching of reading.

0801.525 METHODS AND MATERIALS FOR TEACHING READING IN HIGHER EDUCATION (3) An investigation and analysis of current methods and materials used in the teaching of reading and study skills in the community college, college, and university. Prerequisites: 6 credits of reading courses or consent of instructor.

0801.527 ORGANIZATION AND ADMINISTRATION OF READING AND STUDY SKILLS PROGRAMS IN HIGHER EDUCATION (3) Analysis of the principles, practices and problems of establishing reading/study skills programs in the community college, and university. Visits to local programs provide practical application of basic theories. Prerequisite: 6 credits of reading courses or consent of instructor.

0801.549 AMERICAN POLITICS AND EDUCATION (3) The American political structure and its relation to policy making and administration of public education. Topics include: educational opportunity, community responsibility and control, accountability, role of the courts, church-state relations, academic freedom. Prerequisites: 0801.401 Foundations of Education, and 2207.103, Introduction to American National Government, or equivalent.

0801.550 ANALYSIS AND MODIFICATION OF TEACHING BEHAVIOR (3) The analysis of teaching learning situations to aid the advanced teacher education students to develop, refine and prescribe skills and strategies and field work. Prerequisites: teaching experiences, supervisory experiences, 0801.453, Supervisory Practices in Teacher Education, and/or 0801.511. Supervision of Student Teaching.

0801.585 INTERDISCIPLINARY STUDY IN PHILOSOPHY AND EDUCATION (3) An interdisciplinary seminar with two aspects; current thought in the philosophy of a variety of academic fields and their implications for the broad field of education. Concentration will be upon development in the present century.

0801.595 INDIVIDUALIZED STUDY (3-6) Individually planned programs which will permit the student to engage in research and/or field experiences relative to his professional growth. Admission by application to the graduate program coordinator only.

0801.601 REPRESENTATIVE AMERICAN EDUCATORS (3) A biographical approach to the development of American education through selected groups of American educators whose contributions have significantly shaped its form and substance from the colonial period to the present. Prerequisite: 0801.401, Foundations of Education, or the equivalent.

0801.607 SEMINAR IN EDUCATIONAL CLASSICS I: ANCIENT PERIOD THROUGH THE RENAISSANCE (3) An in-depth study of the classical works of selected authors. Concentration on liberalizing and humanistic influences. A seminar paper will be developed by each student. Prerequisite: 0801.401, Foundations of Education, or 0801.301, History of Education, or 0801.501 Educational Ideas in Historical Perspective.

0801.609 SEMINAR IN EDUCATIONAL CLASSICS II: RENAISSANCE TO THE PRESENT (3) An in-depth study of the classical works of selected authors. Concentration on liberalizing and humanistic influences. Prerequisite: 0801.401, Foundations of Education, or 0801.301, History of Education, or 0801.501, Educational Ideas in Historical Perspective.

0801.625 CLINIC PRACTICUM IN READING (3-6) A clinical or laboratory experience. Students diagnose and treat reading disability cases under the supervision of the directors of the reading program. Prerequisites: 0801.621 and 0801.623.

0801.626 TESTS AND MEASUREMENTS IN READING—ADVANCED (3) Theory and specific techniques of assessing reading programs within the schools, using instruments for evaluating students' specific reading skills, developing a diagnostic instrument for assessing students' performance, and interpreting standardized reading tests. Interpreting and utilization of statistical results will be stressed. Prerequisite: one course in tests and measurements or educational statistics.

0801.627 EVALUATION OF READING RESEARCH (3) The student will be exposed to the tools of research and experimentation. The emphasis will be on past and present research relevant to reading. Prerequisite: a course in tests and measurements of statistics and consent of the instructor.

0801.629 SEMINAR IN READING (3) An advanced course to familiarize the student with interdisciplinary aspects of the reading process. The highlight of the course will be the team-teaching aspect. Consultants such as psychologists, pediatricians, optometrists, guidance teachers, etc., will play an important role in this course. Prerequisites: 0801.621 and 0801.623.

0801.631 DIAGNOSIS AND EVALUATION OF READING DISABILITIES (3) Emphasis on the practical uses of standardized and non-standardized instruments and procedures for evaluating reading disabilities. Prerequisites: 0801.621 and 0801.623.

0801.641 SEMINAR IN LIABILITY FOR PROFESSIONALS IN EDUCATION (3) In-depth discussions of a great variety of emerging legal cases appropriate to liability among professions in education. Emphasis will be given to such topics as: negligence, duty, abrogation of duty, foreseeability, in loco parentis, sovereign immunity, suspension and expulsion, professional negotiations, evaluations, and student rights and responsibilities. Prerequisite: one course in School Law.

0801.645 THEORIES IN EDUCATIONAL ADMINISTRATION (3) Structure a theoretical and research base for the study of education administration. Major topics include determining the purpose of educational organizations, defining educational policies, and task analysis. Prerequisites: teacher certification, 3 years' teaching experience, 9 graduate hr. of Administration of Secondary School or Administration in Elementary School.

0801.670-674 SPECIAL TOPICS IN EDUCATION (1-3) In-depth study of a selected topic in Education. The specific requirements and prerequisites will vary with each topic and will be designated by the department each time a topic is scheduled. Approval by the appropriate Graduate Coordinator is required. Each topic may be taken as a separate course.

0801.691 INTRODUCTION TO RESEARCH IN EDUCATION (3) Research as a method of solving problems. Contributions of research to education. Prerequisite: undergraduate course in tests and measurements, or elementary statistics, consent of instructor.

0801.692 INTRODUCTION TO EDUCATIONAL EVALUATION (3) Theory, methods and techniques applicable to the systematic appraisal of an educational process, program, product, institution or staff. The conceptual, hypothetical and pragmatic basis for educational evaluation. Prerequisite: a course in statistics, or tests and measurements.

0801.697 INTERNSHIP IN EDUCATION (1-6) An opportunity to relate theory and practice through experience in such settings as educational institutions and clinics. Plans will be formulated in advance with the graduate coordinator and approved by the Dean of Graduate Studies. Prerequisite: consent of graduate coordinator, who may require other prerequisites.

0801.699 MASTER OF EDUCATION THESIS (3) Carefully executed investigation and accurate recording of a specific problem selected with reference to the student's professional goals and resources. Historical, descriptive, experimental, or action research can provide a single or multiple framework within which the student may work. Includes an outline of the proposed thesis submitted for inspection and approval by the Graduate Studies Committee, an application of techniques derived from the research advisor.

0831.595 RESEARCH IN ART AND ART EDUCATION (3)

(See Art Dept. Listings)

0831.697 SEMINAR IN ART EDUCATION (3) (See Art Dept. Listings)

0832.502 CURRENT TRENDS IN MUSIC AND MUSIC EDUCATION
(See Music Dept. Listings)

1701.525 SEMINAR IN MATHEMATICS EDUCATION FOR SECONDARY SCHOOL TEACHERS (See Math Dept. Listings)

ENGLISH

Co-Chairperson—Donald H. Craver

Co-Chairperson—Dan L. Jones

ENGLISH COURSES (1501)

Upper Division—Undergraduate and Graduate

1501.302 THE ENGLISH RENAISSANCE (3)

1501.303 THE LATER RENAISSANCE (3)

1501.309 AMERICAN DRAMA (3)

1501.312 WORLD DRAMA I (3)

1501.313 WORLD DRAMA II (3)

1501.319 ENGLISH MEDIEVAL AND RENAISSANCE DRAMA (3)

1501.320 ENGLISH DRAMA FROM THE RESTORATION TO SHAW
(3)

- 1501.321 MODERN DRAMA (3)
- 1501.323 THE CONTINENTAL NOVEL (3)
- 1501.325 HISTORICAL LINGUISTICS (3)
- 1501.326 MYTH AND LITERATURE (3)
- 1501.327 STRUCTURAL LINGUISTICS (3)
- 1501.328 HISTORY AND LITERATURE OF THE OLD TESTAMENT (3)
- 1501.329 HISTORY OF AMERICAN ENGLISH (3)
- 1501.332 COMPARATIVE GRAMMAR (3)
- 1501.335 LITERATURE OF THE ENGLISH ROMANTIC PERIOD (3)
- 1501.337 VICTORIAN PROSE AND POETRY I (3)
- 1501.338 VICTORIAN PROSE AND POETRY II (3)
- 1501.340 MEDIEVAL LITERATURE (3)
- 1501.345 EIGHTEENTH CENTURY ENGLISH LITERATURE (3)
- 1501.347 FOLKLORE AND LITERATURE (3)
- 1501.401 THE LITERATURE OF BLACK AMERICA (3)
- 1501.405 HISTORY OF LITERARY CRITICISM (3)
- 1501.407 MODERN POETRY (3)
- 1501.408 MODERN FICTION TO WORLD WAR II (3)
- 1501.409 MODERN FICTION SINCE WORLD WAR II (3)
- 1501.410 CHAUCER (3)
- 1501.412 MILTON AND THE HUMANISTIC TRADITION (3)
- 1501.415 SHAKESPEARE (COMEDIES) (3)
- 1501.416 SHAKESPEARE (TRAGEDIES) (3)
- 1501.419 THE TWENTIETH-CENTURY BRITISH NOVEL (3)
- 1501.420 TWENTIETH-CENTURY BRITISH POETRY (3)
- 1501.422 DEVELOPMENT OF THE ENGLISH NOVEL I (3)
- 1501.423 DEVELOPMENT OF THE ENGLISH NOVEL II (3)
- 1501.427 LITERATURE OF THE AMERICAN ROMANTIC PERIOD (3)
- 1501.428 LITERATURE OF THE AMERICAN REALISTIC PERIOD (3)
- 1501.430 HISTORY OF THE ENGLISH LANGUAGE (3)
- 1501.431 STRUCTURE OF THE ENGLISH LANGUAGE (3)
- 1501.435 AMERICAN SHORT STORY (3)
- 1501.437 BRITISH AND AMERICAN PROSE (3)
- 1501.445 NINETEENTH-CENTURY AMERICAN NOVEL (3)
- 1501.446 TWENTIETH-CENTURY AMERICAN NOVEL (3)
- 1501.447 AMERICAN POETRY THROUGH ROBERT FROST (3)
- 1501.448 TWENTIETH-CENTURY AMERICAN POETRY (3)
- 1501.471 TOPICS IN WORLD LITERATURE (2 or 3)
- 1501.472 TOPICS IN ENGLISH LITERATURE (2 or 3)
- 1501.473 TOPICS IN AMERICAN LITERATURE (2 or 3)
- 1501.474 TOPICS IN WOMEN'S STUDIES (3)
- 1501.475 TOPICS MULTI-ETHNIC AMERICAN LITERATURE (3)
- 1501.476 TOPICS IN LINGUISTICS (3)
- 1501.485 SEMINAR IN ENGLISH STUDIES I (3)
- 1501.486 SEMINAR IN ENGLISH STUDIES II (3)
- 1501.491 DIRECTED READING IN ENGLISH (2-4)
- 1501.494 TRAVEL AND STUDY (3-6)

Graduate Division

1501.521 STUDIES IN ENGLISH LITERATURE (3) Thorough study of one major area of English Literature (author, period, movement, etc.) Areas covered will vary from semester to semester. Substantial research required. Prerequisite: graduate standing.

1501.523 STUDIES IN LITERARY CRITICISM (3) Thorough study of one major area of Literary Criticism (author, period, movement, etc.) Areas covered will vary from semester to semester. Substantial research required. Prerequisite: graduate standing.

1501.525 STUDIES IN AMERICAN LITERATURE (3) Thorough study of one major area of American Literature (author, period, movement, etc.) Areas covered will vary from semester to semester. Substantial research required. Prerequisite: graduate standing.

1501.527 STUDIES IN WORLD LITERATURE (3) Thorough study of one major area of World Literature (author, period, movement, etc.). Areas covered will vary from semester to semester. Substantial research required. Prerequisite: graduate standing.

1501.531 STUDIES IN LINGUISTICS (3) Topics in the technology and philosophy of language: descriptive grammar, psycholinguistics, sociolinguistics, etc. Topic to vary; may be repeated as topics change. Prerequisite: graduate standing.

General Studies

Upper Division—Undergraduate and Graduate

- 4901.401 TOPICS IN SOCIAL SCIENCE (3)
- 4901.411 CREATIVE METHODS OF SOLVING PROBLEMS
WORKSHOP (3)
- 4901.421 INTERDISCIPLINARY WORKSHOP IN ASIAN STUDIES (3)
- 0305.401 AFRO-AMERICAN PERSPECTIVES (3)
- 2296.331 CHANGING SEX ROLES (3)
- 2296.332 WOMEN'S CULTURE & CREATIVITY (3)
- 2296.491 DIRECTED READING IN WOMEN'S STUDIES (3)
- 2296.496 PRACTICUM IN WOMEN'S STUDIES (3)

Graduate Division

4901.501 INTRODUCTORY SEMINAR IN GENERAL STUDIES (3) An orientation to graduate study and the use of scholarly resources and research techniques to prepare the student to develop and accomplish his/her thematic plan of study. Cross-disciplinary approaches will be stressed.

4901.502 CULMINATING SEMINAR IN GENERAL STUDIES (3) For graduate students in the Master of Arts in General Studies degree program. A seminar course which seeks primarily to integrate effectively the knowledge and skills developed by the student through the program of study. Each student will undertake an individualized research project involving an analysis of the rationale for and content of the particular program theme. Open only to students in the Master of Arts in General Studies degree program. Must be taken in the last semester of degree work.

Geography and Environmental Planning

Chairperson: James E. Dilisio

Graduate Departmental Coordinator: Geography and Environmental Planning Program: Wayne McKim

GEOGRAPHY COURSES (2206)

Upper Division—Undergraduate and Graduate

SYSTEMATIC COURSES

- 2206.317 ENERGY RESOURCES (3)
- 2206.319 SOILS AND VEGETATION (3)
- 2206.351 URBAN DESIGN—MAN-SPACE-ENVIRONMENT (3)
- 2206.353 PRINCIPLES OF ZONING (3)
- 2206.355 HISTORICAL GEOGRAPHY OF URBANIZATION (3)
- 2206.361 ADVANCED ECONOMIC GEOGRAPHY (3)
- 2206.363 SPATIAL ORGANIZATION OF ECONOMIC ACTIVITY (3)
- 2206.371 ADVANCED PHYSICAL GEOGRAPHY (4)
- 2206.373 CLIMATOLOGY (3)
- 2206.375 QUANTITATIVE METHODS IN GEOGRAPHY (3)
- 2206.377 DESCRIPTIVE METEOROLOGY (4)
- 2206.381 POLITICAL GEOGRAPHY (3)
- 2206.385 POPULATION AND SETTLEMENT (3)
- 2206.391 URBAN SYSTEMS I (3)
- 2206.392 URBAN SYSTEMS II (3)
- 2206.401 GROWTH OF GEOGRAPHIC THOUGHT (3)
- 2206.403 PLANNING IMPLEMENTATION (3)
- 2206.405 COMPREHENSIVE PLANNING (3)
- 2206.411 STUDIES IN NATURAL HAZARDS (3)
- 2206.415 GEOGRAPHICAL ASPECTS OF POLLUTION (3)

TECHNIQUE COURSES

- 2206.321 INTERPRETATION OF AERIAL PHOTOGRAPHS (3)
- 2206.323 CARTOGRAPHY AND GRAPHICS I (3)
- 2206.324 CARTOGRAPHY AND GRAPHICS II (3)
- 2206.327 MAP ANALYSIS AND INTERPRETATION (3)
- 2206.341 TECHNIQUES AND MATERIALS FOR GEOGRAPHY TEACHERS (3)

REGIONAL COURSES

- 2206.419 EASTERN ANGLO-AMERICA (3)
- 2206.420 WESTERN ANGLO-AMERICA (3)
- 2206.423 MARYLAND AND THE MIDDLE ATLANTIC REGION (3)
- 2206.431 GEOGRAPHY OF AFRICA (3)
- 2206.441 GEOGRAPHY OF AUSTRALIA AND OCEANIA (3)
- 2206.443 GEOGRAPHY OF EAST ASIA (3)
- 2206.445 GEOGRAPHY OF SOUTH AND SOUTHEAST ASIA (3)
- 2206.447 ECONOMIC AND POLITICAL GEOGRAPHY OF THE MIDDLE EAST (3)
- 2206.451 GEOGRAPHY OF EUROPE (3)
- 2206.453 GEOGRAPHY OF THE USSR (3)
- 2206.461 GEOGRAPHY OF SOUTH AMERICA (3)
- 2206.463 GEOGRAPHY OF CENTRAL AMERICA AND THE CARIBBEAN (3)

SEMINARS AND SPECIAL COURSES

| | |
|-----------|--|
| 2206.357 | CULTURAL GEOGRAPHY (3) |
| 2206.359 | ECONOMIC GEOGRAPHY (3) |
| 2206.470- | SEMINAR: |
| .479 | SELECTED TOPICS IN GEOGRAPHY (3) |
| 2206.483 | SEMINAR: THE AMERICAS (3) |
| 2206.485 | SEMINAR: SOUTH ASIA (3) |
| 2206.487 | SEMINAR: GEOGRAPHY AND MAN IN THE TWENTIETH CENTURY (3) |
| 2206.489 | SEMINAR: STUDIES IN ENVIRONMENTAL QUALITY (3) |
| 2206.491 | GEOGRAPHY/ENVIRONMENTAL PLANNING INTERNSHIP (1-6) |
| 2206.493 | FIELD GEOGRAPHY (2-6) |
| 2206.494 | TRAVEL STUDY (3-6) |
| 2206.495 | DIRECTED READING IN GEOGRAPHY (3) |
| 2206.496 | INDEPENDENT STUDY IN GEOGRAPHY (1-6) |

Graduate Division

2205.521 RESEARCH TECHNIQUES (3) A course designed to investigate the primary sources of information in geography and to learn the nature of original investigation. Prerequisite: Graduate Standing.

2206.561 STUDIES IN ECONOMIC GEOGRAPHY (3) The study of selected geographical topics dealing with spatial distributions of economic activities. Topics will be announced. No more than 6 semester hr. may be applied toward a degree. Prerequisite: consent of department.

2206.571 STUDIES IN PHYSICAL GEOGRAPHY (3) The study of selected geographical topics dealing with physical landscape phenomena, especially in regards to distribution, relationships, and significance to man. Topics will be announced. No more than 6 semester hr. may be applied toward a degree. Prerequisite: consent of department.

2206.581 SEMINAR IN POLITICAL GEOGRAPHY (2-6) Special subjects dealing with the geography of international politics, e.g., boundary problems, global strategy, space, sovereignty. Topics to be announced. No more than 6 semester hr. may be applied toward a degree. Prerequisite: consent of department.

2206.583 SEMINAR: ENVIRONMENTAL PROBLEMS IN MARYLAND (3) Individual research on a selected environmental problem in Maryland; oral and written presentations. Prerequisite: consent of department.

2206.591 URBAN GEOGRAPHY STUDIES (2-6) Selected topics dealing with the application of geography to planning, retail and industrial location, and trade analysis. Topics to be announced. No more than 6 semester hr. may be applied toward a degree. Prerequisite: consent of department.

2206.601 LAND USE STUDIES (2-6) Certain selected problems on urban, rural and rural-urban landscapes which consider and account for geographic differences in land utilization. Topics will be announced. No more than 6 semester hr. may be applied toward a degree. Prerequisite: consent of department.

2206.671 SEMINAR IN REGIONAL GEOGRAPHY (2-6) The description, analysis and interpretation of natural and cultural phenomena in certain significant geographic regions. Seminar topics will be announced. No more than 6 semester hr. may be applied toward a degree. Prerequisite: consent of department.

2206.697 RESEARCH (2-6) Directed investigation of a pertinent and appropriate geographical problem or problems based upon field and library study, which will contribute to geographical knowledge. Designed for the Master's thesis credit or individual research. Prerequisite: consent of department.

2206.699 MASTER'S THESIS (3-6) Prerequisite: 2206.521 and consent of department.

Health Science

Chairperson: Neil Gallagher

Graduate Departmental Coordinator: Bette R. Bonder

HEALTH COURSES (1201)

Upper Division—Undergraduate and Graduate

- 1201.401 SEX EDUCATION AND FAMILY LIFE (3)
- 1201.402 HEALTH SEMINAR (3)
- 1201.403 HEALTH EDUCATION CURRICULUM (3)
- 1201.405 DRUGS IN OUR CULTURE (3)
- 1201.411 HEALTH AND LATER MATURITY—THE AGING
PROCESS (3)
- 1201.451 ECOLOGICAL ASPECTS OF HEALTH (3)
- 1201.470-
.479 HEALTH WORKSHOP (3)
- 1201.491 HEALTH-DIRECTED READING (1-3)
- 1201.494 TRAVEL & STUDY (3)
- 1201.495 INDEPENDENT STUDY (3)

Graduate Division

1201.501 PROBLEMS IN SCHOOL HEALTH (3) Designed to assist the student in developing an understanding of the current problems in school health programs. The structure, organization, scope, content and practices in the field as revealed through literature and research are studied. Prerequisite: consent of department.

1201.511 CURRENT LITERATURE IN HEALTH (3) Critical analysis of current and past research findings concerning health knowledge, attitudes, behavior, and educational techniques. A comprehensive review of health-related periodicals is included. Prerequisite: consent of department.

1201.513 ANALYSIS OF PHYSIOLOGICAL CONCEPTS (3) Analysis of research and laboratory applications of the physiological factors that affect human efficiency before, during and after exercise. Factors to be investigated include: metabolism, circulation, respiration, muscular physiology, endocrine system, ergogenic aids, environmental factors, etc. Prerequisite: consent of department.

1201.515 COMMUNITY HEALTH: QUALITATIVE & QUANTITATIVE ELEMENTS (3) An exploration of vital and health statistics, population dynamics, epidemiology, quantitative models and simulation for health systems planning/evaluation. Emphasis will be placed on how elements of each have been employed in professional settings. Prerequisite: consent of department chairperson.

1201.517 PUBLIC HEALTH ADMINISTRATION (3) An overview of the health industry and its dynamics with essential concepts of management and administration as they relate to health care. Prerequisite: graduate standing in health science.

1201.525 RESEARCH METHODS IN HEALTH (3) An introduction to research and statistical designs as directly related to health science and allied health disciplines. Evaluation and redesign of current health research designs will be emphasized. Prerequisite: basic statistics or tests and measurements and graduate standing or consent of instructor.

1201.531 PROGRAM PLANNING IN HEALTH EDUCATION (3) Exploration of planning models in health with application to program planning in health education. Integration of models of planning with theories of health behavior and education for health information and health promotion. Skills developed in proposal writing. Prerequisites: admission to graduate program and 1201.539.

1201.533 HEALTH CARE SYSTEMS (3) A study of historical development of the American health care system and recent trends in organization, administration, and legislation. Prerequisite: graduate standing.

1201.535 ADVANCED STUDY OF THEORIES OF EDUCATIONAL STRATEGIES FOR HEALTH (3) A seminar of practical professional techniques students will be required to prepare samples of educational materials. Prerequisites: Principles of Community Health Education, or School Health Problems.

1201.537 SKILL DEVELOPMENT: LEADERSHIP IN THE HEALTH CARE SETTING (3) Didactic and experiential activities in community health education with emphasis on human interaction and leadership skills. Prerequisite: admission to M.S. program (or other graduate students with permission).

1201.539 EDUCATION AND TRAINING IN HEALTH CARE (3) The purpose of this course is to provide the graduate student with an historical, philosophical and theoretical background to adult learning and health education. Prerequisites: None.

1201.541 PATIENT EDUCATION: INTRODUCTION AND APPLICATION (3) In-depth study of educating the patient in terms of preventive health behavior in relation to chronic and communicable disease. Special emphasis will be placed on local patient education programs. Prerequisite: anatomy and physiology.

1201.570-579 SPECIAL TOPICS (3) The course is designed to focus on several currently important health topics. Possible subjects include: fitness in a hypokinetic world, aging, death, alcohol and its abuse, consumerism, disease, weight control, value clarification, developing a personal philosophy of health. Prerequisite: 6 hours in Health or permission of department.

1201.591 DIRECTED READINGS IN HEALTH (3) Individual study of a significant problem in health through consultation with appropriate faculty members. Emphasis is on increased knowledge of health. Prerequisite: consent of department.

1201.685 GRADUATE SEMINAR IN HEALTH (3) This course is designed to provide the student with the opportunity to analyze research trends and critical issues in health education systematically. The course will also provide the opportunity for students to present their research designs and projects. Professional members and ethics will also be discussed. Prerequisites: 1201.501, 1201.525. Principles of Community Health Education.

1201.687 FIELD WORK INTERNSHIP (9) On-site experience in community health education situations. Student will be assigned to agency of choice among approved agencies who have cooperative agreements with the University. Students may arrange continuous part time work with approval. Prerequisites: 1201.515, 1201.525, 1201.531, and other elective course which specifically relates to Community Health.

1201.697 GRADUATE PROJECT IN HEALTH SCIENCE (3) Individual study and preparation of a project which is oriented toward the application of specific techniques in health education. Credit will be granted only after the project has been accepted by the student's project committee. The project should demonstrate the student's ability to complete independent professional work which may include some statistical analyses. However, the focus should be on the original research as in a thesis. Prerequisites: 1201.525, 1201.685.

1201.699 MASTER'S THESIS IN HEALTH (3) The purpose of this course is to provide credit hours for the completion of a thesis. This must be an original investigation using an acceptable research method and design conducted under the direction of one or more faculty members. The credit will be granted only after the thesis has been accepted by the student's Thesis Committee. Prerequisites: 1201.501 or Principles of Community Health Education, 1201.525 and Graduate Seminar in Health.



History

Chairperson: Mary Catherine Kahl

HISTORY COURSES (2205)

Upper Division—Undergraduate and Graduate

- 2205.301 ANCIENT NEAR EASTERN CIVILIZATIONS (3)
- 2205.303 HELLENISTIC CIVILIZATION (3)
- 2205.304 ANCIENT GREEK CIVILIZATION (3)
- 2205.305 ROMAN CIVILIZATION (3)
- 2205.311 TRADITIONAL INDIA: ITS HISTORICAL DEVELOPMENT (3)
- 2205.312 HISTORY OF MODERN INDIA (3)
- 2205.313 HISTORY OF MODERN SOUTHEAST ASIA (3)
- 2205.316 REVOLUTIONARY CHINA (3)
- 2205.317 RISE OF MODERN JAPAN (3)
- 2205.321 HISTORY OF MEXICO: PRE-COLUMBIAN AND COLONIAL (3)
- 2205.322 HISTORY OF MEXICO: NATIONAL PERIOD (3)
- 2205.325 HISTORY OF INDIANS IN LATIN AMERICA: AYA, AZTEC, AND INCA (3)
- 2205.327 BUSINESS HISTORY OF LATIN AMERICA (3)
- 2205.334 HISTORY OF WEST AFRICA 1500-1885 (3)
- 2205.335 HISTORY OF RECENT AFRICA (3)
- 2205.345 THE AMERICAN COLONIES: 1492-1763 (3)
- 2205.346 THE AMERICAN REVOLUTIONARY PERIOD: 1763-1789 (3)
- 2205.347 THE EARLY NATIONAL PERIOD (3)
- 2205.348 THE JACKSONIAN ERA (3)
- 2205.349 THE CIVIL WAR (3)
- 2205.350 THE ERA OF RECONSTRUCTION (3)
- 2205.351 THE GILDED AGE (3)
- 2205.352 THE POPULIST-PROGRESSIVE ERA (3)
- 2205.359 RECENT AMERICAN HISTORY: 1920-1945 (3)
- 2205.360 RECENT AMERICAN HISTORY: 1945-1975 (3)
- 2205.361 AMERICAN INTELLECTUAL & RELIGIOUS HISTORY (3)
- 2205.363 SOCIAL HISTORY OF THE U.S. TO 1865 (3)
- 2205.364 SOCIAL HISTORY OF THE U.S. SINCE 1865 (3)
- 2205.365 THE AGRICULTURAL ERA OF AMERICA (3)
- 2205.366 A HISTORY OF AMERICAN BUSINESS (3)
- 2205.367 CONSTITUTIONAL HISTORY OF THE UNITED STATES TO 1868 (3)
- 2205.368 CONSTITUTIONAL HISTORY OF THE UNITED STATES SINCE 1868 (3)
- 2205.369 DIPLOMATIC HISTORY OF THE UNITED STATES TO 1900 (3)
- 2205.370 DIPLOMATIC HISTORY OF THE UNITED STATES SINCE 1900 (3)
- 2205.373 EARLY AMERICAN FRONTIER (3)
- 2205.374 THE FAR WESTERN FRONTIER (3)
- 2205.375 THE CITY IN AMERICAN HISTORY (3)
- 2205.377 THE IMMIGRANT IN AMERICAN HISTORY (3)
- 2205.379 INDIAN-WHITE RELATIONS IN AMERICAN HISTORY (3)

- 2205.381 HISTORY OF AFRO-AMERICANS (3)
- 2205.383 AMERICAN RADICALISM SINCE 1890 (3)
- 2205.385 AMERICAN LABOR (3)
- 2205.391 HISTORY OF CANADA (3)
- 2205.397 HISTORY OF MARYLAND FROM COLONIAL TIMES
TO THE PRESENT (3)
- 2205.400 SEMINAR IN AMERICAN HISTORY (3)
- 2205.401 THE EARLY MIDDLE AGES, 300-1050 (3)
- 2205.402 THE HIGH MIDDLE AGES, 1050-1350 (3)
- 2205.403 THE RENAISSANCE ERA: 1300-1530 (3)
- 2205.404 THE REFORMATION: 1500-1648 (3)
- 2205.405 EUROPE: 1648-1815 (3)
- 2205.406 EUROPE: 1815-1914 (3)
- 2205.407 EUROPE: 1914-1939 (3)
- 2205.408 EUROPE SINCE 1939 (3)
- 2205.410 EUROPEAN SOCIAL HISTORY SINCE THE
EIGHTEENTH CENTURY (3)
- 2205.411 HISTORY OF EUROPEAN WOMEN (3)
- 2205.413 EUROPEAN MILITARY HISTORY, 1871-1945 (3)
- 2205.415 DIPLOMATIC HISTORY OF EUROPE: 1815-1939 (3)
- 2205.417 ECONOMIC HISTORY OF EUROPE TO THE MID-
EIGHTEENTH CENTURY (3)
- 2205.418 ECONOMIC HISTORY OF EUROPE SINCE THE
MID-EIGHTEENTH CENTURY (3)
- 2205.419 EUROPEAN INTELLECTUAL HISTORY TO 1789 (3)
- 2205.420 EUROPEAN IDEAS: FRENCH REVOLUTION TO THE
PRESENT (3)
- 2205.421 BRITAIN IN THE TWENTIETH CENTURY (3)
- 2205.431 FRANCE: 1763-1871 (3)
- 2205.441 GERMANY: 1871-1945 (3)
- 2205.451 RUSSIA: 1696-1894 (3)
- 2205.452 RUSSIA SOVIET UNION: 1894-1953 (3)
- 2205.453 HISTORY OF SOVIET RUSSIA SINCE STALIN,
1953 TO THE PRESENT (3)
- 2205.461 SEMINAR IN EUROPEAN HISTORY (3)
- 2205.477 EUROPE IN THE THIRD WORLD: COLONIALISM
TO CRISIS (3)
- 2205.479 A HISTORY OF DIPLOMACY (3)
- 2205.481 HISTORY OF MANAGEMENT (3)
- 2205.483 DIRECTED INDIVIDUAL RESEARCH (3)
- 2205.489 ORAL HISTORY (3)
- 2205.490 INTERPRETIVE PROBLEMS IN HISTORY (3)
- 2205.491 BIOGRAPHICAL STUDIES IN HISTORY (3)
- 2205.492 HISTORICAL THEMES (3)
- 2205.494 TRAVEL & STUDY (3-6)
- 2205.495 SEMINAR IN COMPARATIVE STUDIES (3)
- 2205.496 COLLOQUIUM (3)
- 2205.497 DIRECTED READING (3)
- 2205.498 PHILOSOPHY OF HISTORY (3)

Graduate Division

2205.599 SEMINAR IN UNITED STATES HISTORY TO 1865 (3)

Research dealing with a phase of United States History to 1865 to be selected by the instructor. Prerequisites: 18 hours of History and consent of the instructor and the department chairperson.

2205.600 SEMINAR IN UNITED STATES HISTORY SINCE 1865 (3)

Research dealing with a phase of United States History since 1865 to be selected by the instructor. Prerequisites: graduate standing, 18 hours of History and consent of the instructor and the department chairperson.

2205.661 SEMINAR IN 19th-CENTURY EUROPEAN HISTORY (3)

Research dealing with a phase of 19th-century European history to be selected by the instructor. Prerequisites: graduate standing and 18 hours of history and consent of the instructor and the department chairperson.

2205.662 SEMINAR IN 20th-CENTURY EUROPEAN HISTORY (3)

Research dealing with a phase of 20th-century European history to be selected by the instructor. Prerequisites: graduate standing, 18 hours of History and consent of the instructor and department chairperson.

2205.683 DIRECTED INDIVIDUAL RESEARCH (2-4)

Research and reading dealing with a historical topic to be selected by the instructor and student; considerable attention to methodology. Prerequisites: 18 hours of History and consent of the instructor and department chairperson.

2205.697 DIRECTED READING IN HISTORY (2-4)

Independent reading in areas of history selected by the instructor and the student. Prerequisites: Graduate standing and 18 hours of History and consent of the instructor and department chairperson.

Instructional Technology

Chairperson: Paul Jones

Graduate Departmental Coordinator: Gary W. Rosecrans

INSTRUCTIONAL TECHNOLOGY COURSES (0601)

Upper Division—Undergraduate and Graduate

- 0601.301 UTILIZATION OF INSTRUCTIONAL MEDIA (3)
- 0601.401 HISTORY OF INSTRUCTIONAL TECHNOLOGY (3)
- 0601.423 INSTRUCTIONAL MOTION PICTURE FILMMAKING (3)
- 0601.431 SURVEY OF LEARNING BY TELEVISION (3)
- 0601.435 INSTRUCTIONAL TELEVISION UTILIZATION (3)
- 0601.441 COMPUTER TECHNOLOGY AND UTILIZATION (3)
- 0601.453 INTRODUCTION TO INSTRUCTIONAL PHOTOGRAPHY (3)
- 0601.455 MEDIA DESIGN AND PRODUCTION I (3)
- 0601.456 MEDIA DESIGN AND PRODUCTION II (3)
- 0601.471 REFERENCE AND INFORMATION SOURCES (3)
- 0601.473 CATALOGING AND CLASSIFICATION OF MEDIA (3)
- 0601.487 THEORY AND TECHNIQUES OF PROGRAMMED INSTRUCTION (3)

Graduate Division

0601.501 ORGANIZATION AND ADMINISTRATION OF MEDIA CENTER PROGRAMS (3) Organizational patterns, management procedures, and supervisory methods and techniques for instructional materials centers are considered. Major topics include: facilities, finance, selection, procurement, security and basic maintenance of equipment and materials: center operation, extension and in-service programs, assessments of systems and programs, and public relations. Prerequisite: 6 hours of ISTC courses at the 400 level or above (3 hours may be in 0601.301).

0601.515 MEDIA SELECTION (3) The course will include: (1) the criteria used to select media, (2) classroom management techniques in using media, and (3) various evaluation instruments. Students will be required to provide a written rationale for choosing specific materials, providing a particular instructional setting for the learner, and constructing a particular evaluation instrument. Prerequisite: 6 hours of ISTC courses (400 level or above, but 3 hours may be in 0601.301.).

0601.533 INSTRUCTIONAL TELEVISION (3) The ITV movement; ITV systems and terminology; elements of production; classroom utilization of the ITV product; developing the ITV workshop; careers in ITV; and aspects of administration, philosophy, evaluation, and research in ITV. Students will be required to demonstrate competencies in criticizing ITV programs, and in the writing and production of scripts utilizing appropriate television facilities. Prerequisite: 6 hours of ISTC courses (400 level or above, but 3 hours may be in 0601.301).

0601.534 INDEPENDENT STUDY: INSTRUCTIONAL MOTION PICTURE FILMMAKING II (3) This course, building on previously acquired fundamentals, culminates in the production of an instructional motion picture for classroom use. To this end, the student will explore and develop a working knowledge of scriptwriting techniques, directional techniques, including areas such as: background, audio lighting, and optics applications. Special effects techniques, such as animation and slow and stop motion, will be developed in the course. Independent study under close supervision of instructor. Lab fee \$15.00. Prerequisites: 0601.423, and written permission.

0601.563 APPLIED PSYCHOLOGY OF LEARNING (3) Behaviorist and Gestalt learning theories are examined. Particular emphasis is placed on the concepts of Gagne and Piaget. A research paper is required of students, along with 0601.301 and one other instructional technology course.

0601.567 INSTRUCTIONAL DEVELOPMENT (3) Includes an overview of the systems approach and its use in problem solving. The application of the systems approach with instructional technology to the problems of instruction is studied in detail. Students are required to demonstrate competencies in designing mediated instructional sequences and in evaluating media with behavioral descriptors. Prerequisites: 0601.563 and written permission.

0601.573 INSTRUCTIONAL FACILITIES DESIGN (3) A systems approach to the integration of media and facilities into a single unit to fulfill instructional/training goals, including a schedule of time and sequential phasing to insure orderly relationships and interaction of human, technical, and environmental resources. Included are the application of equipment and facilities designed to mediate self-instruction as a part of individually prescribed instruction as well as equipment and facilities designed for large or multi-media instruction. Student projects include facility designs for academic/training utilization. Prerequisites: 6 hours of instructional technology courses at the 400 level or above, and written permission.

0601.585 SEMINAR IN INSTRUCTIONAL TECHNOLOGY (3) The student is required to do investigative work in the literature of instructional technology and to write four extensive papers in class which analyze, synthesize, and evaluate this literature. Students who do not receive at least a "B" in this course must take an advancement examination. Prerequisite: 0601.301.

0601.591 DIRECTED READINGS IN INSTRUCTIONAL TECHNOLOGY (3) Independent readings and research in selected areas of Instructional Technology, reserved for students under the guidance of a departmental advisor. Prerequisite: consent of department chairperson.

0601.595 INDEPENDENT STUDY IN INSTRUCTIONAL TECHNOLOGY (3) Individual and supervised study of research problems and special projects in specific areas of Instructional Technology. Prerequisites: consent of department chairperson or instructor.

0601.689 INTERNSHIP IN INSTRUCTIONAL TECHNOLOGY (6) The student will work in a school media center under professional supervision. This course satisfies practicum requirements for certifications as a media specialist or media generalist; \$106.00 fee. Prerequisites: 0601.471; 0601.473; 0601.501; and 15 additional credits in ISTC courses; also requires written permission.

0601.695 INTRODUCTION TO RESEARCH IN INSTRUCTIONAL TECHNOLOGY (3) Elements of research writing are investigated and basic concepts of inferential statistics are studied. Additionally, relevant research in the field of instructional technology is examined. Students are required to demonstrate competencies in research writing. Prerequisites: 6 hours of ISTC courses at the 500 to 600 level and written permission.

0601.697 SUPERVISED FIELD EXPERIENCES IN INSTRUCTIONAL TECHNOLOGY (3) The student must complete a project of a practical nature under the direction of a faculty advisor. A formal paper is required with departmental approval. The course may be taken twice with different emphases. Prerequisites: 0601.695, and written permission.

0601.699 MASTER'S THESIS (3-6) An original investigation, using an acceptable research method and design of a research problem, to be conducted under the direction of one or more faculty members. Credit granted only **after** thesis has been accepted by a student's thesis committee. Prerequisite: 15 hours of instructional technology courses at the 400 level or above, departmental chairperson approval, and written permission.

Mathematics

Chairperson: Ernest Ilgenfritz

Upper Division—Undergraduate and Graduate

- 1701.331 PROBABILITY (3)
- 1701.332 MATHEMATICAL STATISTICS (3)
- 1701.357 COLLEGE GEOMETRY (3)
- 1701.361 ALGEBRAIC STRUCTURES (4)
- 1701.365 LINEAR ALGEBRA (3)
- 1701.367 THEORY OF NUMBERS (3)
- 1701.373 CALCULUS III (4)
- 1701.377 MATHEMATICAL MODELS (3)
- 1701.421 APPLICATIONS OF MATHEMATICS FOR
SECONDARY SCHOOL TEACHERS (3)
- 1701.424 TEACHING THE METRIC SYSTEM (1)
- 1701.425 METHODS AND MATERIALS FOR MATH LAB
INSTRUCTION (3)
- 1701.427 READINGS IN MATHEMATICS EDUCATION FOR
THE ELEMENTARY SCHOOL TEACHER (1-3)
- 1701.429 READINGS IN MATHEMATICS EDUCATION FOR THE
SECONDARY SCHOOL TEACHER (103)
- 1701.435 NUMERICAL ANALYSIS I (3)
- 1701.436 NUMERICAL ANALYSIS II (3)
- 1701.451 MATH RESEARCH IN GRAPH THEORY (3)
- 1701.457 DIFFERENTIAL GEOMETRY I (3)
- 1701.461 ADVANCED TOPICS IN ALGEBRA (3)
- 1701.471 DIFFERENTIAL EQUATIONS (3)
- 1701.473 ADVANCED CALCULUS I (3)
- 1701.474 ADVANCED CALCULUS II (3)
- 1701.475 COMPLEX ANALYSIS (3)
- 1701.477 TOPOLOGY (3)
- 1701.480-
.489 SELECTED TOPICS IN MATHEMATICS AND
STATISTICS (1-4)
- 1701.491 READINGS IN MATHEMATICS (1-3)

COMPUTER SCIENCE COURSES (0701)

Upper Division—Undergraduate and Graduate

- 0701.335 ADVANCED BUSINESS PROGRAMMING (3)
- 0701.338 COMPUTER ORGANIZATION (3)
- 0701.339 OPERATING SYSTEMS PRINCIPLES (3)
- 0701.355 SURVEY OF PROGRAMMING LANGUAGES (3)
- 0701.367 DISCRETE STRUCTURES (3)
- 0701.401 COMPUTERS IN SECONDARY EDUCATION (3)
- 0701.411 SYSTEMS AND DESIGN (3)
- 0701.415 IMPLEMENTATION OF PROGRAMMING
LANGUAGES (3)
- 0701.431 SELECTED TOPICS IN COMPUTER SCIENCE (1-3)
- 0701.437 FILE AND DATA STRUCTURES (3)
- 0701.457 DATABASE MANAGEMENT SYSTEMS (3)
- 0701.461 ARTIFICIAL INTELLIGENCE (3)
- 0701.471 COMPUTER GRAPHICS (3)

Graduate Division

1701.501 HISTORY OF MATHEMATICS (3) A historical survey of the classical roots of contemporary mathematics with selected topics chosen from number theory, geometry, analysis and algebra.

1701.521 SEMINAR IN TEACHING ARITHMETIC (3) Analysis of new topics, techniques, and materials in arithmetic instruction. Students may not receive credit for both 1701.521 and 1701.422, except by special permission from the graduate program coordinator and the chairperson of the mathematics department. Prerequisite: 1701.321 or 1701.323.

1701.525 SEMINAR IN MATHEMATICS EDUCATION FOR SECONDARY SCHOOL TEACHERS (3) An investigation of recent curricula, methods, and materials for secondary school mathematics instructors. Prerequisite: 1701.423 or equivalent.

1701.530 STATISTICS—AN INTEGRATED APPROACH (4) Theory and practices of basic statistical analysis and inference with emphasis on analyzing and solving real problems using statistics. Descriptive statistics, introduction to probability, sampling distributions, estimation, hypotheses testing, regression, correlation, non-parametric techniques and analysis of variance, computer programming incorporated throughout. Prior knowledge of programming is not necessary. (Not open to those who have taken 1701.332.) Prerequisite: 1701.274.

1701.531 TOPICS IN PROBABILITY (3) Review of basis probability theory, types of convergence and limit theorems, elementary stochastic processes. Markov chains, birth and death processes. Gaussian processes. Examples from engineering, physical and social sciences, management and statistics. Prerequisite: 1701.331.

1701.553 TOPICS IN GEOMETRY (3) Axiomatic development of Euclidean, elliptic and hyperbolic geometries; the study of the analytic plane, the sphere and the Poincare model as models for these axiomatic systems. Not open to students who have had 1701.353. Prerequisites: 1701.274 and 1701.361.

1701.561 ELEMENTS OF GALOIS THEORY (3) Review of elementary group theory, polynomial rings, algebraic field extensions. Galois theory for fields of characteristic 0, solution of polynomial equations by radicals, and other applications of the Galois theory. Prerequisite: 1701.361.

1701.591 SEMINAR IN MATHEMATICAL APPLICATIONS (3) Survey with topics to be chosen from: lineary programming theory of games, mathematical biology, econometrics, mathematical ecology, Fourier analysis, integral equations, partial differential equations, diffusion, stochastic processes, production theory, statistical mechanics, fluid dynamics. Prerequisite: 1701.373.

1701.595 INDEPENDENT STUDY IN MATHEMATICS (1-3) Directed independent study in selected areas of graduate level mathematics. Prerequisite: Permission of instructor and graduate advisor.

Modern Languages

Chairperson: Jorge A. Giro

FRENCH COURSES (1102)

Upper Division—Undergraduate and Graduate

- 1102.401 FRENCH PHONETICS (3)
- 1102.402 APPLIED FRENCH LINGUISTICS (3)
- 1102.421 FRENCH LITERATURE OF THE SEVENTEENTH CENTURY I (3)
- 1102.422 FRENCH LITERATURE OF THE SEVENTEENTH CENTURY II (3)
- 1102.425 FRENCH LITERATURE OF THE EIGHTEENTH CENTURY (3)
- 1102.431 FRENCH LITERATURE OF THE NINETEENTH CENTURY I (3)
- 1102.432 FRENCH LITERATURE OF THE NINETEENTH CENTURY II (3)
- 1102.437 WOMEN WRITERS IN TRANSLATION (3)
- 1102.441 FRENCH LITERATURE OF THE TWENTIETH CENTURY I (3)
- 1102.442 FRENCH LITERATURE OF THE TWENTIETH CENTURY II (3)
- 1102.451 FRENCH POETRY I (3)
- 1102.452 FRENCH POETRY II (3)
- 1102.461 FRENCH DRAMA I (3)
- 1102.462 FRENCH DRAMA II (3)
- 1102.470 SPECIAL TOPICS IN FRENCH (3)
- 1102.471 THE FRENCH NOVEL I (3)
- 1102.472 THE FRENCH NOVEL II (3)
- 1102.475 USE OF AUDIO-VISUAL TECHNIQUES IN MODERN LANGUAGE TEACHING (3)
- 1102.483 SPECIAL TOPICS IN FOREIGN LANGUAGE TEACHING (3)
- 1102.487 TRAVEL AND STUDY ABROAD (4-15)
- 1102.491 DIRECTED READINGS IN FRENCH LITERATURE (3)
- 1102.492 DIRECTED READINGS IN FRENCH (3)

Graduate Division

1102.505 ETUDES ET TRAVAUX STYLISTIQUES (3) Practice in writing and comparison of style of various writers. Intensive and detailed textual explanation. Discussion, oral and written reports, conducted in French. Prerequisite: Undergraduate degree in French.

1102.533 SEMINAR ON FRENCH CLASSICISM I (3) The origins and underlying ideas of classicism. Study of main classic writers, with shifting emphasis from year to year. Conducted in French. Prerequisite: Undergraduate degree in French.

1102.534 SEMINAR ON FRENCH CLASSICISM II (3) The origins and underlying ideas of classicism. Study of main classic writers, shifting emphasis from year to year. Conducted in French. Prerequisite: Undergraduate degree in French.

1102.538 SEMINAR IN EIGHTEENTH CENTURY FRENCH LITERATURE (3) The literature of the French Enlightenment, concentrating on one or two major authors, with shifting emphasis from year to year. Conducted in French. Prerequisite: Undergraduate degree in French.

1102.539 THE ROMANTIC ERA IN FRANCE (3) Sources and theories of romanticism. Works of major French romantic writers, with shifting emphasis from year to year. Conducted in French. Prerequisite: Undergraduate degree in French.

1102.543-544 PERSPECTIVE DE LA CRITIQUE LITTERAIRE EN FRANCE (3) A history of French literary criticism leading to the study of the various techniques and objectives of all literary criticism and analysis, ending in the application of these techniques by the student himself to selected works of French literature. Conducted in French. Prerequisite: Undergraduate degree in French.

1102.571 SPECIAL TOPICS IN FRENCH LANGUAGE, LITERATURE AND CIVILIZATION (3) Grandes Mouvements Littéraires en France du XIX et XX Siècles. Prerequisites: Undergraduate degree in French.

GERMAN COURSES (1103)

Upper Division—Undergraduate and Graduate

- 1103.401 GERMAN PHONETICS (3)
- 1103.427-428 CLASSICISM I, II (3)
- 1103.431 ROMANTICISM (3)
- 1103.441 MODERN GERMAN LITERATURE (3)
- 1103.442 GERMAN LITERATURE SINCE 1945 (3)
- 1103.451 STUDIES IN THE GERMAN LYRIC (3)
- 1103.461 GERMAN DRAMA OF THE NINETEENTH AND TWENTIETH CENTURIES (3)
- 1103.465 GOETHE'S FAUST (3)
- 1103.470 SPECIAL TOPICS IN GERMAN (3)
- 1103.481 THE GERMAN NOVEL (3)
- 1103.483 SPECIAL TOPICS IN FOREIGN LANGUAGE TEACHING (3)
- 1103.491 DIRECTED READINGS IN GERMAN LITERATURE (3)
- 1103.492 DIRECTED READINGS IN GERMAN LITERATURE (3)

SPANISH COURSES (1105)

Upper Division—Undergraduate and Graduate

- 1105.401 SPANISH PHONETICS (3)
- 1105.402 SPANISH LINGUISTICS (3)
- 1105.417-418 THE GOLDEN AGE IN SPANISH LITERATURE I, II (3)
- 1105.431 NINETEENTH-CENTURY SPANISH LITERATURE (3)
- 1105.435 NINETEENTH-CENTURY SPANISH-AMERICAN LITERATURE I (3)
- 1105.436 NINETEENTH-CENTURY SPANISH-AMERICAN LITERATURE II (3)
- 1105.437 ROMANTICISM IN SPANISH AMERICAN LITERATURE (3)
- 1105.441 TWENTIETH-CENTURY SPANISH LITERATURE I (3)
- 1105.442 TWENTIETH-CENTURY SPANISH LITERATURE II (3)

- 1105.443 TWENTIETH-CENTURY SPANISH-AMERICAN LITERATURE I (3)
- 1105.444 TWENTIETH-CENTURY SPANISH-AMERICAN LITERATURE II (3)
- 1105.451 SPANISH POETRY I (3)
- 1105.452 SPANISH POETRY II (3)
- 1105.461 SPANISH DRAMA I (3)
- 1105.462 SPANISH DRAMA II (3)
- 1105.470 SPECIAL TOPICS IN SPANISH (3)
- 1105.471 SPANISH NOVEL I (3)
- 1105.472 SPANISH NOVEL II (3)
- 1105.481 SPANISH SHORT STORY (3)
- 1105.483 SPECIAL TOPICS IN FOREIGN LANGUAGE TEACHING (3)
- 1105.491 DIRECTED READING IN SPANISH LITERATURE (3)
- 1105.492 DIRECTED READING IN SPANISH (3)

Graduate Division

1105.505 SPANISH STYLISTICS (3) Intensive and detailed analysis of selected texts. Discussion and oral reports. Required weekly composition. Prerequisite: Undergraduate degree in Spanish.

1105.536 POETRY AND DRAMA OF THE SPANISH GOLDEN AGE (3) Graduate study of major writers of the Siglo de Oro with shifting emphasis for year to year. Conducted in Spanish. Prerequisite: Undergraduate degree in Spanish.

1105.553 MIGUEL DE CERVANTES (3) Don Quijote de la Mancha and the Novelas Ejemplares, reading and detailed analysis. Prerequisite: Undergraduate degree in Spanish.

1105.570 SPECIAL TOPICS IN SPANISH (3) Discussion of a central topic with changing emphasis from year to year. Prerequisite: Undergraduate degree in Spanish or equivalent.

1105.585 SEMINAR IN MODERN SPANISH LITERATURE (3) Discussion of a figure or topic in modern Spanish or Spanish-American Literature with changing emphasis from year to year. Prerequisite: Undergraduate degree in Spanish or equivalent.



Music

Chairperson: David Marchand

Graduate Departmental Coordinator, Music Education Program:
Golden Arrington

MUSIC COURSES (MUSIC 1005; MUSIC APPLIED 1004; MUSIC APPRECIATION 0832)

Upper Division—Undergraduate and Graduate

- 1004.471-72 BRASS PRIVATE LESSONS (1-3)
- 1004.473-74 ORGAN PRIVATE LESSONS (1-3)
- 1004.475-76 PERCUSSION PRIVATE LESSONS (1-3)
- 1004.477-78 PIANO PRIVATE LESSONS (1-3)
- 1004.479-80 STRING PRIVATE LESSONS (1-3)
- 1004.481-82 VOICE PRIVATE LESSONS (1-3)
- 1004.483-84 WOODWIND PRIVATE LESSONS
- 1004.485-86 GUITAR PRIVATE LESSONS (1-3)
- 1004.487-88 COMPOSITION PRIVATE LESSONS (1-3)

Graduate Division

1004.571-572 BRASS PRIVATE LESSONS (1-3) Private lessons in brass. Fee of \$50.00 per semester per credit. One half-hour lesson per week. May be repeated for further credit. Prerequisite: permission of department chairperson.

1004.573-574 ORGAN PRIVATE LESSONS (1-3) Private lessons in organ. Fee of \$50.00 per semester credit. One half-hour lesson per week. May be repeated for further credit. Prerequisite: permission of department chairperson.

1004.575-576 PERCUSSION PRIVATE LESSONS (1-3) Private lessons in percussion. Fee of \$50.00 per semester per credit. One half-hour lesson per week. May be repeated for further credit. Prerequisite: permission of department chairperson.

1004.581-582 PIANO PRIVATE LESSONS (1-3) Private lessons in piano. Fee of \$50.00 per semester per credit. One half-hour lesson per week. May be repeated for further credit. Prerequisite: consent of department chairperson.

1004.579-580 STRING PRIVATE LESSONS (1-3) Private lessons in strings. Fee of \$50.00 per semester per credit. One half-hour lesson per week. May be repeated for further credit. Prerequisite: permission of department chairperson.

1004.582-582 VOICE PRIVATE LESSONS (1-3) Private lessons in voice. Fee of \$50.00 per semester per credit. One half-hour lesson per week. May be repeated for further credit. Prerequisite: permission of department chairperson.

1004.583-584 WOODWIND PRIVATE LESSONS (1-3) Private lessons in woodwinds. Fee of \$50.00 per semester per credit. One half-hour lesson per week. May be repeated for further credit. Prerequisite: permission of department chairperson.

1004.585-586 GUITAR PRIVATE LESSONS (1-3) Private lessons in guitar. Fee of \$50.00 per semester per credit. One half-hour lesson per week. May be repeated for further credit. Prerequisite: permission of department chairperson.

1004.587-588 COMPOSITION PRIVATE LESSONS (1-3) Private lessons in composition. Fee of \$50.00 per semester per credit. One half-hour lesson per week. May be repeated for further credit. Prerequisite: permission of department chairperson.

1005.408 MODAL COUNTERPOINT (3) Analysis and writing of counterpoint in the style of Sixteenth Century masters such as Palestrina and Lassus. The approach of traditional species practice will be employed. Prerequisite: 1005.232 or equivalent.

Upper Division—Undergraduate and Graduate

- 1005.401 MUSIC PRIOR TO 1600 (3)
- 1005.402 MUSIC OF THE BAROQUE PERIOD (3)
- 1005.403 MUSIC OF THE CLASSICAL PERIOD (3)
- 1005.404 MUSIC OF THE ROMANTIC PERIOD (3)
- 1005.405 CONTEMPORARY MUSIC (3)
- 1005.406 SURVEY OF SOLO VOICE LITERATURE (3)
- 1005.407 TONAL COUNTERPOINT (3)
- 1005.409 HISTORY AND LITERATURE OF GUITAR, LUTE AND VIHUELA (3)
- 1005.410 WORKSHOP IN CLASS PIANO PEDAGOGY (2)
- 1005.411 SURVEY OF OPERA (3)
- 1005.412 WIND ENSEMBLE (1)
- 1005.413 SYMPHONIC LITERATURE (3)
- 1005.415 THE CONCERTO (3)
- 1005.417 PIANO LITERATURE (3)
- 1005.418 WORKSHOP IN CLASS PIANO PEDAGOGY (2)
- 1005.420 WORKSHOP IN MUSIC INSTRUMENT REPAIR AND MAINTENANCE (1)
- 1005.421 AMERICAN MUSIC (3)
- 1005.424 ADVANCED WOODWINDS (DOUBLE REEDS) (3)
- 1005.427-428 JAZZ ARRANGING I, II (3, 3)
- 1005.429-430 JAZZ IMPROVISATION I, II (3, 3)
- 1005.431 ADVANCED CHORAL AND INSTRUMENTAL ARRANGING (3)
- 1005.432 SEMINAR IN ADVANCED INSTRUMENTAL CONDUCTING AND INTERPRETATION (1)
- 1005.433 ADVANCED THEORY (3)
- 1005.435 FORM AND ANALYSIS (3)
- 1005.449-450 STRING ENSEMBLE (1, 1)
- 1005.459-460 TOWSON STATE UNIVERSITY CHORAL SOCIETY (1, 1)
- 1005.467-468 ORCHESTRA (1, 1)
- 1005.469-470 SYMPHONY BAND (1, 1)
- 1005.471-479 SPECIAL TOPICS IN MUSIC LITERATURE (3)
- 1005.493 INDEPENDENT RESEARCH IN MUSIC LITERATURE (3)

Graduate Division

1005.539 MUSIC COMPOSITION (3) Analysis and discussion of works of major composers. Writing of original compositions in vocal and instrumental idioms. Prerequisite: 1905.232, 10.335, 1095.435.

1005.562 SEMINAR IN CHORAL (VOCAL) MUSIC (3) Comparative analysis of current methods and materials used in schools and colleges. Choral conducting and repertoire. Style interpretation, tone quality diction, rehearsal and conducting techniques are analyzed. Prerequisite: admission to the graduate program.

1005.595 RESEARCH METHODS IN MUSIC AND MUSIC EDUCATION (3) The application of methods of research to problems in the field of music and music education, the preparation of bibliographies and specialized techniques for the location, collection and treatment of data and a written exposition of research projects in the area of the student's major interest. Prerequisite: admission to the graduate program.

1005.697 GRADUATE PROJECT IN MUSIC (3) Thesis project includes graduate recital or musical composition instead of thesis.

1005.699 MASTER'S THESIS IN MUSIC (3)

Minimester only

1005.002 EDITING BRASS MUSIC: RENAISSANCE AND BAROQUE (3)

1005.007 WORKSHOP: ASPECTS OF TROMBONE PERFORMANCE (1)

Music Education Courses (0832)

- 0832.002 AN INTRODUCTION TO THE KODALY APPROACH TO TEACHING MUSIC IN THE ELEMENTARY SCHOOL (3)
- 0832.408 ORGANIZATION AND ADMINISTRATION OF MUSIC EDUCATION (3)
- 0832.417 CHORAL WORKSHOP IN ELEMENTARY & SECONDARY SCHOOL MUSIC (2)
- 0832.419 WORKSHOP: ASPECTS OF STRING TEACHING (3)
- 0832.421 WORKSHOP: TEACHING GUITAR IN THE CLASSROOM (2)
- 0832.439 ADVANCED WORKSHOP IN ELEMENTARY AND JUNIOR HIGH SCHOOL GENERAL MUSIC (2)

Graduate Division

0832.501 SEMINAR IN CURRENT TRENDS IN MUSIC AND MUSIC EDUCATION (3) Seminar in current philosophies and objectives of music in the schools, and the scope and sequence of music curricula, vocal and instrumental, on the elementary and secondary levels. Prerequisite: admission to graduate program.

Occupational Therapy

Director: Marie-Louise Blount

OCCUPATIONAL THERAPY (1208)

1208.428 O. T. ORGANIZATION, ADMINISTRATION, AND TEACHING (3) Administrative and organizational theory applied to occupational therapy service programs. Content includes personnel relationships and supervision, systems analysis, program planning budgeting, space and facilities planning, communication systems, and programs for staff and student development. Prerequisite: 1208.313 and 1208.314.

1208.470-479 SPECIAL TOPICS IN OCCUPATIONAL THERAPY (1-3)

Graduate Division

1208.591 DIRECTED READINGS IN OCCUPATIONAL THERAPY (1-3) Guided review of literature to explore in depth subjects related to occupational therapy theory and practice. Prerequisite: graduate standing.



Philosophy and Religion

Chairperson: Rene deBrabander

PHILOSOPHY AND RELIGION COURSES (1509)

Upper Division—Undergraduate and Graduate

- 1509.301 PHILOSOPHIES OF INDIA (3)
- 1509.302 PHILOSOPHIES OF CHINA AND JAPAN (3)
- 1509.315 ARCHAEOLOGY OF PALESTINE AND
TRANS-JORDANIA (3)
- 1509.317 THE HISTORICAL GEOGRAPHY AND ARCHAEOLOGY
OF PALESTINE (3)
- 1509.322 LATE CLASSICAL AND MEDIEVAL PHILOSOPHY (3)
- 1509.323 LATE CLASSICAL AND RENAISSANCE PHILOSOPHY (3)
- 1509.324 MODERN PHILOSOPHY (3)
- 1509.325 SCHOOLS OF CONTEMPORARY PHILOSOPHY (3)
- 1509.326 AMERICAN PHILOSOPHY (3)
- 1509.331 CONCEPTS OF WOMAN: A HISTORICAL APPROACH (3)
- 1509.339 THEORY OF KNOWLEDGE (3)
- 1509.341 ETHICS (3)
- 1509.343 AESTHETICS (3)
- 1509.351 CONTEMPORARY ETHICAL PROBLEMS (3)
- 1509.354 INTERPRETATIONS OF THE BIBLE:
OLD TESTAMENT (3)
- 1509.355 INTERPRETATIONS OF THE BIBLE:
NEW TESTAMENT (3)
- 1509.361 ETHICS OF MEDICINE AND THE LIFE SCIENCES (3)
- 1509.371 CONTEMPORARY ETHICAL PROBLEMS:
BUSINESS AND SOCIETY (3)
- 1509.380- PHILOSOPHICAL TOPICS (3)
.389
- 1509.413 PHENOMENOLOGY (3)
- 1509.415 MARXISM (3.0)
- 1509.417 EXISTENTIALISM (3.0)
- 1509.440- PHILOSOPHICAL SYSTEMS (3-3)
.449
- 1509.451 PHILOSOPHY OF RELIGION (3)
- 1509.457 COMPARATIVE RELIGION I (3)
- 1509.458 COMPARATIVE RELIGION II (3)
- 1509.470- PHILOSOPHICAL PROBLEMS (3-3)
.479

Physical Education

Chairperson: Robert G. Zeigler

PHYSICAL EDUCATION COURSES (0835)

Upper Division—Undergraduate and Graduate

- 0835.311 KINESIOLOGY (3)
- 0835.313 PHYSIOLOGY OF EXERCISE (3)
- 0835.412 THEORY AND ANALYSIS OF GYMNASTICS
MOVEMENT (3)
- 0835.415 ADVANCED CARE AND PREVENTION OF
ATHLETIC INJURIES (3)

- 0835.419 SWIMMING AND POOL MANAGEMENT (3)
- 0835.421 PHYSICAL EDUCATION PROGRAM IN THE
ELEMENTARY SCHOOLS (3)
- 0835.423 ADAPTIVE PHYSICAL EDUCATION (3)
- 0835.425 TEACHING DANCE IN GRADES K-12 (3)
- 0835.427 PERCEPTUAL-MOTOR DEVELOPMENT IN
PHYSICAL EDUCATION (3)
- 0835.430 MOVEMENT EDUCATION IN THE ELEMENTARY
SCHOOL (3)
- 0835.435 PROGRAMS IN OUTDOOR EDUCATION (3)
- 0835.441 THE SPORTSWOMAN IN AMERICAN SOCIETY (3)
- 0835.451 HISTORY OF AMERICAN SPORT (3)
- 0835.453 ORGANIZATION AND ADMINISTRATION
OF ATHLETICS (3)
- 0835.470-
.479 SELECTED TOPICS IN
PHYSICAL EDUCATION (1-3)
- 0835.494 TRAVEL STUDY (3)
- 0835.496 INDEPENDENT STUDY (1-3)

Graduate Division

0835.509 PSYCHOLOGY OF MOTOR LEARNING (3) Investigation of the various psychological factors that affect the acquisition of motor skills. Emphasis will be focused on teaching and practice methodology, motivational factors, learning theories, physical and motor considerations, anxiety, stress, tension, competition, mental practice, transfer of training, level of aspiration, etc. Prerequisite: consent of graduate coordinator or undergraduate degree in physical education.

0835.512 SIGNIFICANT PERIODS IN PHYSICAL EDUCATION (3) An examination of the influence of Greek, Roman, European, and English concepts of physical education upon American physical education. Emphasis on the formation and development of American concepts of physical education. Prerequisite: consent of graduate coordinator or undergraduate degree in physical education.

0835.513 ANALYSIS OF PHYSIOLOGICAL CONCEPTS (3) Analysis of research and laboratory application of the physiological factors that affect human efficiency before, during and after exercise. Factors to be investigated include: metabolism, circulation-respiration, muscular physiology, endocrine system, ergogenic aids, environmental factors, etc. Prerequisites: consent of department chairperson, consent of graduate coordinator, or undergraduate degree in physical education.

0835.521 EDUCATIONAL GYMNASTICS (3) Analysis of theoretical and historical basis for use of problem-solving and individualized methods in teaching gymnastic movement. Development of programs and materials for a variety of developmental levels. In-depth review of literature. Prerequisite: undergraduate major in physical education, or consent of graduate coordinator.

0835.530 MECHANICAL ANALYSIS OF MOVEMENT (3) Various basic mechanical principles are analyzed as they relate to efficient human movement. The physical laws to be studied are leverage, motion, projectiles, gravity, buoyancy, and equilibrium. The design of the course will be research-oriented. Prerequisites: Kinesiology 0835.311, and undergraduate degree in physical education and consent of the graduate coordinator.

0835.533 ADMINISTRATION AND SUPERVISION OF PHYSICAL EDUCATION (3) Designed to acquaint the student with the scope, problems and techniques of administering and supervising a program of Physical Education. The work of the chairperson of the department, problems of personnel, program, facilities, and evaluation will be discussed. Prerequisites: undergraduate degree in Physical Education or consent of graduate coordinator.

0835.539 CRITICAL ANALYSIS OF CURRENT LITERATURE IN PHYSICAL EDUCATION (3) Designed to facilitate the depth and quality of the knowledge of students, teachers, administrators, supervisors and research personnel in their assessment and investigation of the following aspects of the Physical Education profession; contemporary leaders, books, journals, periodicals, projects, trends, issues, innovations, etc. Prerequisite: undergraduate degree in Physical Education or consent of graduate coordinator.

0835.541 EVALUATIVE TECHNIQUES IN PHYSICAL EDUCATION (3) Designed primarily to develop analytical ability in the administration, assessment, and interpretation of test results. Research and laboratory application involves the evaluation of measurements of classification indexes, power agility, balance, flexibility, kinesthetic perception, speed and reaction time, strength, muscular endurance, cardiovascular conditions, sport skills, etc. Prerequisites: undergraduate degree in Physical Education and consent of graduate coordinator.

0835.545 FACILITIES AND EQUIPMENT FOR PHYSICAL EDUCATION (3) Designed to cover the principles of programming and planning facilities for physical education. Indoor and outdoor activity areas will be studied, as well as their maintenance. Procedure related to selection, purchase and care of equipment will be included. Prerequisites: undergraduate degree in Physical Education and consent of the graduate coordinator.

0835.551 COMPARATIVE PHYSICAL EDUCATION—CONTEMPORARY AND INTERNATIONAL (3) A comparative analysis of contemporary patterns of physical education in selected countries throughout the world. Prerequisites: undergraduate major in Physical Education and consent of graduate coordinator.

0835.553 CONTEMPORARY PHYSICAL EDUCATION CURRICULUM (3) Curriculum design for elementary and secondary school physical education. Examination of current literature pertinent to aims, objectives, contents, and method of physical education. Prerequisites: undergraduate degree in physical education and consent of graduate coordinator.

0835.585 RESEARCH SEMINAR (3) Individual research on a significant problem through consultation with designated faculty members. Focus will be on the experimental design and the proper structural format for project or thesis formulation. Prerequisites: EDUC 0801.691, undergraduate degree in Physical Education and consent of graduate coordinator.

Physics

Chairperson: Eddie Loh

PHYSICAL SCIENCE COURSES (1901)

Upper Division—Undergraduate and Graduate

- 1901.303 EARTH-SPACE SCIENCE IN CHILDHOOD
EDUCATION (3)
- 1901.322 GEOMORPHOLOGY OF THE EASTERN
UNITED STATES (3)
- 1901.331 MINEROLOGY (4)
- 1901.333 PETROLOGY OF IGNEOUS AND METAMORPHIC
ROCKS (4)
- 1901.335 LASER AND HOLOGRAPHY (3)
- 1901.401 ADVANCED LABORATORY IN PHYSICAL SCIENCE (2)
- 1901.405 FUNDAMENTAL CONCEPTS IN THE EARTH
SCIENCES (3)
- 1901.411 PHYSICAL SCIENCE FOR TEACHERS (3)
- 1901.441 OPTICAL MINEROLOGY AND PETROGRAPHY (3)
- 1901.443 SEDIMENTOLOGY AND SEDIMENTARY PETROLOGY (3)
- 1901.470- SPECIAL TOPICS IN PHYSICAL SCIENCE (1-4)
.479
- 1901.495 COURSE RESEARCH IN 400-LEVEL COURSES

PHYSICS COURSES (1902)

Upper Division—Undergraduate and Graduate

- 1902.301 MECHANICS (4)
- 1902.302 THERMODYNAMICS AND KINETIC THEORY (3)
- 1902.305 ELECTRICITY AND MAGNETISM (4)
- 1902.311 MODERN PHYSICS (4)
- 1902.312 HISTORY OF SCIENCE (3)
- 1902.313 HISTORY AND PHILOSOPHY OF PHYSICS (2)
- 1902.315 MATHEMATICS OF MOTION (4)
- 1902.321 INTRODUCTORY MATHEMATICAL PHYSICS (3)
- 1902.331 MECHANICS II (4)
- 1902.335 BASIC ELECTRONICS (4)
- 1902.337 DIGITAL ELECTRONICS (4)
- 1902.381 INTERMEDIATE PHYSICS LABORATORY I (2)
- 1902.382 INTERMEDIATE PHYSICS LABORATORY II (2)
- 1902.395 COURSE RESEARCH IN 300-LEVEL COURSES
- 1902.401 PHYSICS SEMINAR I-II (1-1)
402
- 1902.411 PHYSICAL OPTICS (3)
- 1902.435 ELECTRONICS (3)
- 1902.437 INTRODUCTION TO MICROPROCESSOR-BASED
DIGITAL SYSTEM (3)
- 1902.451 NUCLEAR PHYSICS (3)
- 1902.471 INTRODUCTORY QUANTUM MECHANICS (3)
- 1902.472 INTRODUCTION TO STATISTICAL MECHANICS (3)
- 1902.490 INDEPENDENT STUDY IN PHYSICS (1-4)
- 1902.491 DIRECTED READINGS (1-4)

SCIENCE EDUCATION COURSES (0834)

Upper Division—Undergraduate and Graduate

- 0834.371 TEACHING SCIENCE IN EARLY CHILDHOOD (2)
- 0834.376 TEACHING SCIENCE IN THE ELEMENTARY SCHOOL (3)
- 0834.380 TEACHING SCIENCE IN THE SECONDARY SCHOOL (3)
- 0834.470- SEQUENTIAL SCIENCE MODULES FOR THE
.475 ELEMENTARY SCHOOL TEACHER (1-3)
- 0834.488 AEROSPACE EDUCATION WORKSHOP (3)

Graduate Division

0834.585 SEMINAR IN ELEMENTARY SCHOOL SCIENCE (3)

Seminar approach to current practices and trends in organizing, teaching, and improving programs in elementary school science. Each student conducts a limited research on some aspect of science teaching. Prerequisite: elementary teaching.

Psychology

Chairperson: Herbert Petri

Graduate Departmental Coordinator: Barbara R. Slater

PSYCHOLOGY COURSES (2001)

Upper Division—Undergraduate and Graduate

- 2001.305 PSYCHOLOGY OF LEARNING (3)
- 2001.309 BEHAVIORAL PHARMACOLOGY (3)
- 2001.311 BEHAVIOR MODIFICATION I (3)
- 2001.315 MOTIVATION (3)
- 2001.317 SENSATION AND PERCEPTION (3)
- 2001.323 PSYCHOLOGY OF WOMEN: SEX DIFFERENCES
AND SIMILARITIES (3)
- 2001.325 SOCIAL PSYCHOLOGY (3)
- 2001.330 PSYCHOLOGY OF INDIVIDUAL DIFFERENCES (3)
- 2001.341 ENVIRONMENTAL PSYCHOLOGY (3)
- 2001.350 PERSONALITY (3)
- 2001.361 ABNORMAL PSYCHOLOGY (3)
- 2001.381 READINGS IN PSYCHOLOGY (1-2)
- 2001.385 SEMINAR IN PSYCHOLOGY (1-3)
- 2001.401 HUMAN LEARNING (3)
- 2001.403 PSYCHOLOGY OF INFANCY AND CHILDHOOD (3)
- 2001.404 ADOLESCENT PSYCHOLOGY (3)
- 2001.405 THE PSYCHOLOGY OF AGING (3)
- 2001.407 PSYCHOLOGY OF READING (3)
- 2001.409 ORGANIZATIONAL PSYCHOLOGY (3)
- 2001.411 TESTS AND MEASUREMENTS (3)
- 2001.416 PERSONALITY MEASUREMENT (3)
- 2001.421 APPLICATIONS OF BEHAVIORAL PRINCIPLES TO
FAMILY AND CLASSROOM ENVIRONMENTS (3)
- 2001.425 INTRODUCTION TO THE HELPING RELATIONSHIP (3)
- 2001.427 INTRODUCTION TO INTERVIEWING TECHNIQUES I (3)
- 2001.428 INTERVIEWING TECHNIQUES II (3)

| | |
|----------|---|
| 2001.429 | INTRODUCTION TO THE COUNSELING OF MINORITY GROUPS (3) |
| 2001.430 | SYSTEMS AND TECHNIQUES OF COUNSELING PRACTICE (3) |
| 2001.431 | GROUP DYNAMICS (3) |
| 2001.435 | SUPERVISED FIELD EXPERIENCE (3-6) |
| 2001.439 | THE INITIAL INTERVIEW (3) |
| 2001.441 | INFORMATION SERVICE IN COUNSELING AND GUIDANCE (3) |
| 2001.453 | ISSUES IN MENTAL HEALTH INTERVENTION (2) |
| 2001.460 | COMPARATIVE PSYCHOLOGY (3) |
| 2001.461 | COGNITIVE PSYCHOLOGY (3) |
| 2001.462 | LABORATORY IN COMPARATIVE PSYCHOLOGY (3) |
| 2001.465 | PHYSIOLOGICAL PSYCHOLOGY (3) |
| 2001.466 | LABORATORY IN PHYSIOLOGICAL PSYCHOLOGY (2) |
| 2001.467 | ADULT PSYCHOLOGY (3) |
| 2001.471 | INTRODUCTION TO THE EXCEPTIONAL CHILD (3) |
| 2001.475 | IDENTIFICATION AND TREATMENT OF SENSORY DISABILITIES IN THE SCHOOLS (3) |
| 2001.480 | SYSTEMS OF PSYCHOLOGY (3) |
| 2001.485 | EXPERIMENTAL DESIGN (4) |
| 2001.491 | INDEPENDENT INVESTIGATION IN PSYCHOLOGY (3) |

Minimester only

2001.005 SEXUAL COUNSELING (3)

GRADUATE

2001.509 COUNSELING PSYCHOLOGY—PRE-PRACTICUM (3) An introduction to ethics, issues, and the history of counseling psychology. Counseling with children and adults, various points of view, techniques for introducing therapeutic movement, and the essentials necessary for effective counseling. Prerequisite: must be a psychology major planning to enter one of the helping professions or a graduate student in counseling, or have consent of the counseling program coordinator.

2001.511 DEVELOPMENTAL PSYCHOLOGY (3) Psychological structures and functions in human development. Theoretical and research approaches. Prerequisite: 2001.201 or equivalent.

2001.513 COMMUNITY MENTAL HEALTH COUNSELING (3) To expose students to the general working of various types of community health centers. The course will also introduce students to the basic mental health services and the relationships between those services; the responsibility of counseling in a mental health center; and the area of mental health consultant. Emphasis will be given to the application of counseling skills in a mental health setting. The course is intended to be a pre-practicum. Prerequisite: 2001.430.

2001.515 INTRODUCTION TO RESEARCH METHODS IN COUNSELING (3) An introduction to the principal methods of behavioral research emphasizing concepts rather than statistical procedures. The course should prepare counselors to evaluate methods, designs, and results of counseling research. Prerequisite: graduate standing in Counseling.

2001.520 INDIVIDUAL INTELLIGENCE TESTING (3) Construction, standardization, administration, scoring and interpretation of the Wechsler Individual Intelligence Tests, the Stanford-Binet Intelligence Scale, Human Figure Drawings, the Bender-Gestalt, the Gray Oral Reading Test and the Wide Range Achievement Test. Open to MA candidates in School or Clinical areas. Prerequisites: 2001.111, 2001.411, and consent of coordinator.

2001.521 ADVANCED EDUCATIONAL PSYCHOLOGY (3) Survey of current research in child psychology, learning, mental hygiene, and tests and measurements. Emphasis on critical analysis of studies. Prerequisite: 2001.511.

2001.531 ADVANCED ABNORMAL PSYCHOLOGY (3) Current and historical perspectives of psychopathology. Emphasis on varied approaches in contemporary schools. Methods of assessment and treatment. Prerequisite: 2001.230 or 2001.361.

2001.540 MENTAL HYGIENE IN EDUCATION (3) Principles of mental hygiene and their application to the educational setting. Major emphasis on wholesome personality development. Prerequisite: 2001.511.

2001.543 INTRODUCTION TO SCHOOL PSYCHOLOGY (1) An introduction to ethics and issues in school psychology and preparation of the student to move efficiently through the program. This course should be taken at the beginning of the student's course of studies. Open only to MA candidates in the School Psychology program with consent of the coordinator.

2001.545 COPING STRATEGIES IN THE CLASSROOM (3) Practical application of psychological principles and concepts as they relate directly to the classroom. This course is designed to increase teacher awareness of the teacher's impact on the classroom members with specific emphasis on individual differences. This course is for teachers, counselors and administrators. Prerequisite: 2001.551.

2001.550 DIAGNOSTIC TECHNIQUES IN EDUCATION (3) Use of standardized and teacher-constructed instruments for diagnostic and instructional purposes. Prerequisite: 2001.511, 2001.411 or equivalent.

2001.551 TECHNIQUES OF GROUP INTERVENTION (3) A theoretical and experiential introduction to the techniques available for use with clients. Emphasis will be on learning the techniques through action participation. Prerequisites: M.A. candidate in School, Clinical, or Counseling areas, and consent of coordinator.

2001.553 RESEARCH ISSUES IN SCHOOL/CLINICAL PSYCHOLOGY (3) Provides for analysis of major issues in school and/or clinical psychology through the study of selected research. Prerequisite: 2001.111. Open only to MA candidates in School or Clinical areas with consent of the coordinator.

2001.561 FOUNDATIONS OF REHABILITATION COUNSELING (3) The development of rehabilitation programs; their legal basis and historical background. The roles of medical, psychological, educational and community resources in the rehabilitation program are explored. Client eligibility, determination, and counselor responsibilities will be reviewed. Prerequisite: 2001.101.

2001.563 SYSTEMS OF PSYCHOTHERAPY (3) The course is designed to acquaint students with the more prominent schools of psychotherapy. Particular emphasis is placed on the psychotherapeutic aspect of educational and clinical settings. Prerequisites: 2001.350, 2001.361, or 2001.230, 2001.531.

2001.565 PSYCHOTHERAPY AND BEHAVIOR CHANGE I (3) The first of a two-semester sequence designed to acquaint the student through readings, lectures, and actual experience with the various theories and techniques currently utilized in behavior change, including individual psychotherapy, family therapy, transactional analysis, rational emotive therapy and behavior modification. Psychotherapy and Behavior Change I may be taken without Psychotherapy and Behavior Change II. Prerequisite: Graduate standing in School or Clinical Psychology tracks. Requires consent of coordinator.

2001.566 PSYCHOTHERAPY AND BEHAVIOR CHANGE II (3) The second of a two-semester sequence focused on the continued analysis of major psychotherapy approaches. Each student will conduct an intensive examination of a single psychotherapeutic approach. A seminar paper and a class presentation of the paper will be required. Open to students with a Master's degree who have completed the equivalent of Psychotherapy and Behavior Change I. (2001.565) Requires consent of coordinator.

2001.567 PSYCHO-SOCIAL ASPECTS OF DISABILITY (3) The effect of the psychosocial milieu on the disabled person's self-concept will be considered, and approaches to facilitating autonomy and self-actualizing goals in the disabled will be discussed. Prerequisite: Graduate standing in Psychology or consent of instructor.

2001.568 MEDICAL ASPECTS OF DISABILITY (3) For students in Rehabilitation Counseling and related areas. Structure and function of bodily systems and implications of physical disabilities in coping with the problems of daily living are studied. Prerequisite: 2001.101.

2001.569 THE PSYCHOLOGICAL ASPECTS OF HEARING LOSS (3) An examination of the psychological problems unique to the deaf/hearing disabled, with special emphasis on communication, relationship, evaluation and vocational issues. Prerequisites: Graduate Standing.

2001.570 REFERRAL RESOURCES FOR THE SCHOOL-AGE CHILD (3) A study of referral services for the enhancement of the emotional, vocational and behavioral adaptation of children in need of services beyond the classroom situation. The course attempts to give direct knowledge to the student of all such specialized facilities, both school- and community-sponsored. Prerequisite: 2001.511.

2001.573 ADVANCED EXPERIMENTAL PSYCHOLOGY I (4) The first semester is comprised of experimentation in the field of human behavior, and the second semester will emphasize experimentation in the field of animal behavior. Prerequisites: 2001.111, 2001.261 or equivalent; consent of department.

2001.574 ADVANCED EXPERIMENTAL PSYCHOLOGY II (4) The first semester is composed of experimentation in the field of human behavior and the second semester will emphasize experimentation in the field of animal behavior. Prerequisite: 2001.111, 2001.261 or equivalent, consent of department.

2001.575 PROSEMINAR I (3) An intensive survey of basic issues and concepts in learning, motivation, and physiology. Prerequisite: 2001.261 or equivalent.

2001.576 PROSEMINAR II (3) An intensive survey of basic issues and concepts in social, developmental, personal, and abnormal psychology. Prerequisite: 2001.261 or equivalent.

2001.577 LEARNING (3) A thorough coverage of major learning theories and models. Prerequisite: 2001.305 or consent of instructor.

2001.579 SPECIAL TOPICS SEMINAR (1-3) Exploration of current developments in psychology. Topics dependent upon student and faculty interest. Students may take the special topics seminar more than once for credit as long as the topic differs from previous seminar discussions.

2001.581 ADVANCED HISTORY AND SYSTEMS OF PSYCHOLOGY (3) Ancient and modern psychological history—discussion of ancient history will draw heavily from both philosophy and physiology; discussion of modern history will develop psychology in various countries. The analysis of systems will include a study of functionalism, structuralism, behaviorism, Gestalt and psychoanalysis.

2001.584 COLLEGE TEACHING SEMINAR (3) Materials and procedures for producing successful students in lower level courses will be explored.

2001.585 COLLEGE TEACHING PRACTICUM (3) Supervised teaching of introductory psychology. Prerequisite: 2001.584.

2001.587 ADVANCED EXPERIMENTAL DESIGN I (3) An advanced treatment of descriptive and inferential statistical methods and design considerations. Prerequisite: 2001.111 or equivalent.

2001.588 ADVANCED EXPERIMENTAL DESIGN II (3) An in-depth treatment of advanced analysis of variance designs and related techniques. Prerequisite: 2001.587 or equivalent.

2001.589 MULTIVARIATE METHODS (3) Multivariate statistical methods useful in behavioral scientific research. Topics: correlation, regression, factor analysis, discriminant analysis. Prerequisite: 2001.587.

2001.591 PROJECTIVE TECHNIQUES I (3) This is the first of a two-course sequence dealing with projective techniques. Credit will be awarded only upon completion of the first and second semesters of the sequence. The first semester emphasizes an introduction to the administration, scoring and interpretation of projectives in current clinical use. Open only to MA candidates in School or Clinical areas, with consent of the coordinator.

2001.592 PROJECTIVE TECHNIQUES II (3) The second of a two-semester sequence in projective techniques. This semester emphasizes the interpretation and appropriate transmission of projective data. Particular emphasis will be placed on the evaluation of learning problems. Prerequisite: 2001.591. Open only to MA candidates in School or Clinical areas with consent of the coordinator.

2001.593 INTERNSHIP IN COUNSELING (3) Experiences vary according to track; however, this is a broad but intensive experience within a counseling facility involving exposure to the many facets of a mental health professional, including administrative and record-keeping duties; individual and group counseling observations and experiences; referral resources, etc. Prerequisites: student must have been advanced to degree candidacy and obtain consent of the instructor.

2001.597 PRACTICUM IN CLINICAL PSYCHOLOGY (3) Supervised experience in psychological interviewing, assessment, and psychotherapy. This is an intensive practicum in which students will meet for individualized supervision with the practicum instructor. Prerequisites: 2001.520, 591, 592; M.A. candidacy in Clinical Psychology and consent of coordinator. Only open to students who have advanced to Degree of Candidacy.

2001.605 PRINCIPLES OF GUIDANCE (3) Aims at establishing a philosophy and gaining a knowledge of the principles of guidance. Includes an introduction to the literature of the field. Prerequisite: 2001.511 or the equivalent.

2001.606 INTRODUCTION TO CAREER DEVELOPMENT (3) This course is designed to familiarize students with aspects of career development, to introduce them to a variety of relevant resources and media and to assist them in integrating this knowledge by planning a program of career development for a specific group.

2001.607 INFORMATION SERVICE IN GUIDANCE & COUNSELING (3) Provides students knowledge of educational and vocational opportunities and community referral sources. Includes the evaluation, classification and use of such information in a guidance and counseling program. Prerequisite: 2001.425 or its equivalent.

2001.608 MEDIA IN CAREER EDUCATION (3) This course provides an introduction to the production of videotapes, films, filmstrips, slides and audiotapes pertaining to the world of work. Workshop procedures will be used to develop career education materials for use in a variety of employment settings. Prerequisite: 2001.607.

2001.611 ANALYSIS OF THE INDIVIDUAL (3) Techniques available in studying the individual. Emphasizes data in the areas of vocational, educational and personal adjustment. Prerequisites: 2001.605 and 2001.411 (2001.605 may be taken concurrently)

2001.615 TECHNIQUES OF COUNSELING (3) Counseling and therapy techniques used by counselors and other professional personnel working with children and adults. Prerequisite: 2001.430 or equivalent.

2001.617 FAMILY COUNSELING (3) Course will focus on theoretical approaches and strategical methods of evaluating and counseling disturbed families. Prerequisites: 2001.430.

2001.621 GROUP COUNSELING (3) This course is designed to survey the theories, principles, and techniques of group counseling. Some additional topics to be covered are the role of the leader, problems of member selection, evaluation of group progress, and the ethics and training of group counselors. Prerequisite: 2001.430.

2001.623 GROUP COUNSELING PRACTICUM (3) Designed to give the counseling major supervised practical experience in leading a counseling group. Prerequisites: 2001.621, consent of coordinator, and successful advancement to candidacy exam.

2001.627 USE OF TESTS IN COUNSELING (3) Practice in the use and analysis of techniques for understanding the individual with emphasis upon standardized procedures used in the public schools. Prerequisite: 2001.411.

2001.630 COUNSELING THE ELEMENTARY SCHOOL CHILD (3) Study of the dynamics of child behavior, techniques of assessing and counseling. Study of the family, school, and community structures and their effect on the child. Prerequisite: 2001.430.

2001.645 COUNSELING PRACTICUM I (3) Supervised experience in educational, vocational and personal counseling. Prerequisite: Advancement to degree candidacy and consent of coordinator.

2001.646 COUNSELING PRACTICUM II (3) Field experience in educational, vocational and personal counseling. Prerequisite: 2001.645 plus consent of the coordinator.

2001.651 PRACTICUM IN SCHOOL/CLINICAL PSYCHOLOGY (3) Provides an opportunity to participate in diagnostic, remedial therapeutic planning as well as followup studies under supervision of practicing certified psychologists. Prerequisite: 2001.520, 2001.591, 2001.592; advancement to candidacy in School/Clinical Psychology track, and consent of coordinator.

2001.652 INTERNSHIP IN SCHOOL/CLINICAL PSYCHOLOGY (3) Each student must be a full-time student during the semester he/she enrolls in this course, typically the last semester of work. The student will be placed in an internship in a school or clinic, depending upon his/her specific orientation. This course may be repeated up to a total of three times with the written consent of the coordinator. Prerequisites: 2001.651. MA candidacy in School or Clinical concentration.

2001.690 SEMINAR IN SCHOOL/CLINICAL PSYCHOLOGY (3) Consideration of current practices, trends and techniques in School or Clinical Psychology. Open only to MA candidates in the School/Clinical Psychology areas.

2001.699 THESIS (3 or 6) Optional for students in Master of Arts for School Psychologists program. Required for students in Master of Arts in General Psychology.

Minimester only

2001.020-001 Survey of Services for the Handicapped.

Sociology and Anthropology

Chairperson: Irwin Goldberg

SOCIOLOGY COURSES (2208)

Upper Division—Undergraduate and Graduate

- 2208.009 WORK ORIENTATION COUNSELING (3) (Minimester)
- 2208.315 COMMUNICATIONS AND SOCIAL ORDER (3)
- 2208.311 INDIVIDUAL AND SOCIETY (3)
- 2208.322 SOCIOLOGY OF WAR AND PEACE (3)
- 2208.323 SOCIAL CHANGE (3)
- 2208.325 COLLECTIVE BEHAVIOR (3)
- 2208.327 URBAN SOCIOLOGY (3)
- 2208.329 DEMOGRAPHY (3)
- 2208.331 ORGANIZATIONS (3)
- 2208.332 SOCIOLOGY OF OCCUPATIONS AND PROFESSIONS (3)
- 2208.333 POLITICAL SOCIOLOGY (3)
- 2208.334 INDUSTRIAL SOCIOLOGY (3)
- 2208.335 MEDICAL SOCIOLOGY (3)
- 2208.339 COMMUNITY ORGANIZATION (3)
- 2208.341 CLASS, STATUS AND POWER (3)
- 2208.343 MINORITY GROUPS (3)
- 2208.351 SOCIAL DEVIANCE (3)
- 2208.353 CRIMINOLOGY (3)
- 2208.354 INTRODUCTORY TO CRIMINAL JUSTICE (3)
- 2208.355 JUVENILE DELINQUENCY (3)
- 2208.356 CORRECTIONS IN AMERICA (3)
- 2208.357 SOCIAL WELFARE (3)
- 2208.359 SOCIOLOGY OF AGING (3)
- 2208.360 SOCIAL GERONTOLOGY (3)
- 2208.367 SOCIOLOGY OF DEATH, DYING AND BEREAVEMENT (3)
- 2208.370- TOPICS IN SOCIOLOGY (3,3, etc.)
- .379
- 2208.381 SOCIOLOGICAL THEORY (3)
- 2208.391 RESEARCH METHODS (3)
- 2208.470- SPECIAL TOPICS IN SOCIOLOGY (3)
- .479
- 2208.485 SEMINAR IN SOCIOLOGY (3)
- 2208.491- PRACTICUM IN SOCIOLOGY I, II (3, 3)
- .492
- 2208.495 INDEPENDENT RESEARCH (3)

ANTHROPOLOGY COURSES (2202)

Upper Division—Undergraduate and Graduate

- 2202.321 SEX ROLES IN CROSS-CULTURAL PERSPECTIVE (3)
- 2202.346 WEALTH, POWER AND POLITICS IN CROSS-CULTURAL PERSPECTIVE (3)
- 2202.364 RELIGION, MAGIC AND WITCHCRAFT (3)
- 2202.365 NORTH AMERICAN INDIANS (3)
- 2202.366 SOUTH AMERICAN INDIANS (3)
- 2202.367 PEOPLES OF THE MIDDLE EAST (3)

| | |
|---------------|--|
| 2202.369 | TRADITION AND REVOLUTION IN LATIN AMERICAN SOCIETY (3) |
| 2202.370-.379 | TOPICS IN ANTHROPOLOGY (3) |
| 2202.381 | ARCHAEOLOGICAL METHODS AND THEORY (3) |
| 2202.383 | NORTH AMERICAN ARCHAEOLOGY (3) |
| 2202.385 | ARCHAEOLOGY OF THE AMERICAN SOUTHWEST (3) |
| 2202.388 | PEASANT CULTURES (3) |
| 2202.401 | ANTHROPOLOGICAL THEORY (3) |
| 2202.470-.479 | TOPICS IN ANTHROPOLOGY: FIELD ARCHAEOLOGY (3) |
| 2202.491-.492 | PRACTICUM IN ANTHROPOLOGY I, II (3-6) |
| 2202.495 | INDEPENDENT RESEARCH (3) |

Speech and Mass Communication

Chairperson: Irene Shipman

MASS COMMUNICATION COURSES (0605)

Upper Division—Undergraduate and Graduate

| | |
|---------------|---|
| 0605.315 | BUSINESS AND PROFESSIONAL SPEECH (3) |
| 0605.351 | PUBLIC OPINION AND THE PRESS (3) |
| 0605.353 | PUBLICITY AND PUBLIC RELATIONS (3) |
| 0605.356 | FEATURE WRITING (3) |
| 0605.358 | NEWS EDITING AND COPY READING (3) |
| 0605.361 | ADVANCED TELEVISION TECHNIQUES (3) |
| 0605.363 | HISTORY OF FILM (3) |
| 0605.364 | AESTHETICS OF THE FILM (3) |
| 0605.367 | TELEVISION WRITING (3) |
| 0605.385 | MASS MEDIA IN MODERN SOCIETY (3) |
| 0605.421 | FINANCIAL COMMUNICATIONS (3) |
| 0605.451 | ASSOCIATION PUBLIC RELATIONS AND MANAGEMENT (3) |
| 0605.460-.469 | PRACTICUM IN MASS COMMUNICATIONS (1-6) |
| 0605.475 | FILM WORKSHOP (3) |
| 0605.485 | NEWSPAPER IN EDUCATION (3) |
| 0605.491 | INDEPENDENT STUDY IN FILM (1-6) |
| 0605.493 | INDEPENDENT STUDY IN RADIO (1-6) |
| 0605.495 | INDEPENDENT STUDY IN TELEVISION (1-6) |
| 0605.496 | INDEPENDENT STUDY IN JOURNALISM (1-6) |
| 0605.497 | INDEPENDENT STUDY IN PUBLIC RELATIONS (1-6) |

GENERAL SPEECH COURSES (1506)

Upper Division—Undergraduate and Graduate

| | |
|----------|--|
| 1506.304 | PERSUASION (3) |
| 1506.320 | READER'S THEATRE (3) |
| 1506.395 | INDEPENDENT STUDY IN ORAL INTERPRETATION (1-6) |
| 1506.411 | INDEPENDENT STUDY IN CHAMBER THEATRE (1-6) |

- 1506.423 ADVANCED ORAL INTERPRETATION OF LITERATURE (3)
1506.432 THE COACHING AND MANAGEMENT OF FORENSICS (3)
1506.493 INDEPENDENT STUDY IN READERS' THEATRE (1-6)

PUBLIC ADDRESS COURSES (1598)

- 1598.403 CLASSICAL AND MODERN RHETORIC (3)
1598.405 AMERICAN PUBLIC ADDRESS (3)
1598.406 BRITISH PUBLIC ADDRESS (3)
1598.495 INDEPENDENT STUDY IN PUBLIC ADDRESS (1-6)

Graduate Division

1506.521 EXPERIMENTAL PHONETICS (3) An advanced course in the study of Phonetic Science. Concerned with the application of experimental methods to study and research in voice and phonetics, especially spectrographic analysis. Includes critical review of research literature in Scientific Phonetics. Prerequisite: 1506.310 or consent of instructor.



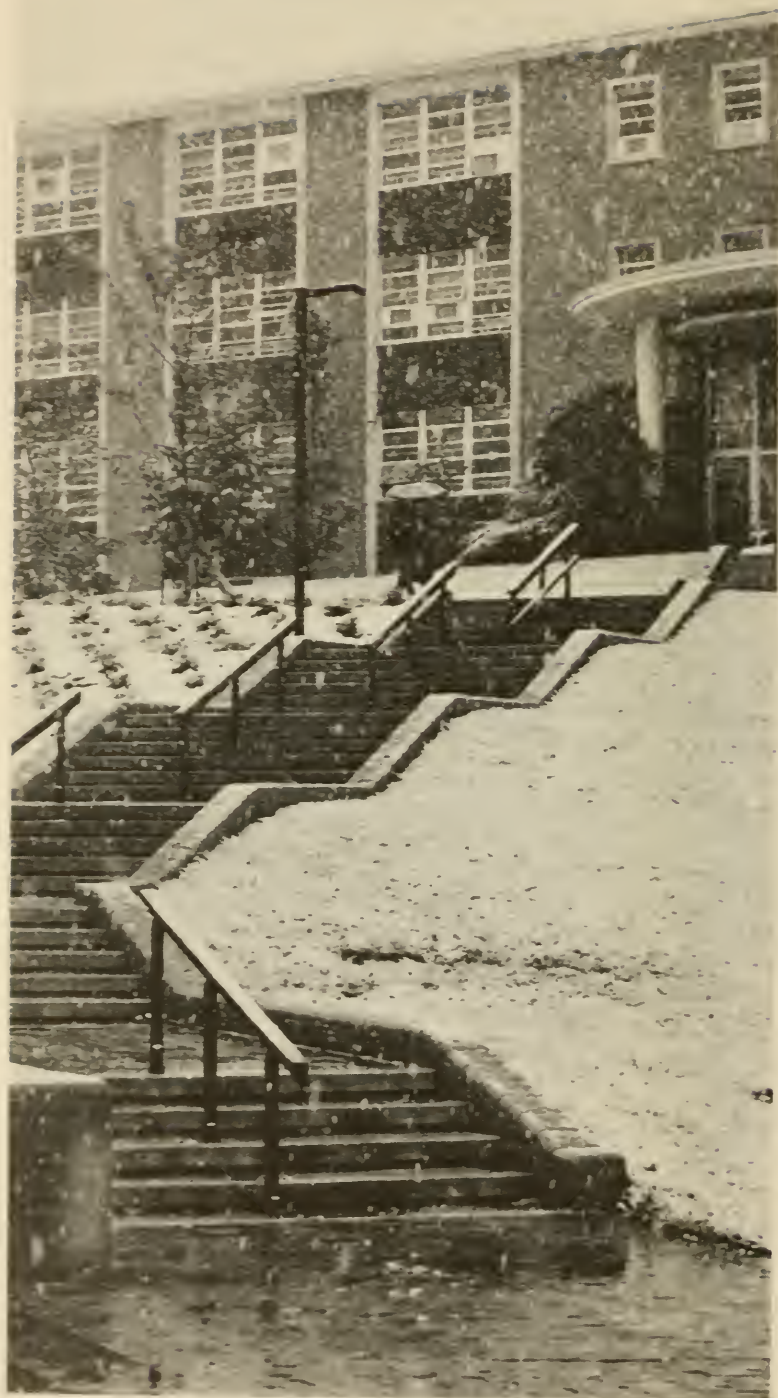
Theatre Arts

Chairperson: Paul Berman

THEATRE ARTS COURSES (1007)

Upper Division—Undergraduate and Graduate

- 1007.307 THEATRE ARTS FOR CHILDREN (3)
- 1007.321 ACTING III (3)
- 1007.331 PLAY DIRECTING I (3)
- 1007.355 STAGE LIGHTING (3)
- 1007.361 DESIGN FOR THE STAGE (3)
- 1007.371 THEATRE GAMES I (1)
- 1007.372 THEATRE GAMES II (1)
- 1007.401 THEATRE AS A PROFESSION (1)
- 1007.407 THEATRE ARTS FOR CHILDREN—ADVANCED (3)
- 1007.411 PROBLEMS IN ACTING OR DIRECTING I (1-3)
- 1007.412 PROBLEMS IN ACTING OR DIRECTING II (1-3)
- 1007.413 PROBLEMS IN ACTING OR DIRECTING III (1-3)
- 1007.421 PLAY DIRECTING II: THE CONTEMPORARY PLAY (3)
- 1007.431 DIRECTING THE PERIOD PLAY (3)
- 1007.441 COSTUME DESIGN (3)
- 1007.471 PRODUCING STORY THEATRE IN THE SCHOOLS (2)
- 1007.473 WORKSHOP IN STORY THEATRE (2)
- 1007.475 USING THEATRE GAMES TECHNIQUES
IN THE SCHOOLS (2)
- 1007.477 WORKSHOP IN THEATRE GAMES TECHNIQUES (2)
- 1007.480 PROBLEMS IN DESIGN AND TECHNICAL
THEATRE I (1-3)
- 1007.481 PROBLEMS IN DESIGN AND TECHNICAL
THEATRE II (1-3)
- 1007.482 PROBLEMS IN DESIGN AND TECHNICAL
THEATRE III (1-3)
- 1007.485 ADVANCED THEATRE WORKSHOP FOR
SECONDARY SCHOOL TEACHERS (6)
- 1007.486 WORKSHOP IN THEATRE PRODUCTION FOR
SECONDARY SCHOOL TEACHERS (6)
- 1007.487 PROFESSIONAL THEATRE SEMINAR (12)
- 1007.493- PROBLEMS IN THEATRE I, II, III, IV, V, VI (1-3)
- .498
- 1007.499 SPECIAL PROJECT IN THEATRE RESEARCH (3)



ADMINISTRATION

BOARD OF TRUSTEES

| | |
|--------------------------------------|----------------|
| MARSHALL W. MOORE, Chairperson | Baltimore |
| JAMES K. ARCHIBALD, Vice Chairperson | Baltimore |
| EDGAR F. BERMAN | Lutherville |
| GEORGE M. BROOKS | Baltimore |
| CHARLES H. FOELBER | Baltimore |
| EVELYN J. FOX | Salisbury |
| JOYCE R. PHILLIP | Crofton |
| JAMES A. SENSENBAUGH | Frederick |
| F. PERRY SMITH | Cumberland |
| GEORGE T. STANSBURY | Havre de Grace |
| DAVID B. WRIGHT | Severna Park |

BOARD OF VISITORS

| | |
|-----------------------------|------------------|
| ROBERT DICICCO, Chairperson | Towson |
| EDWARD A. GRIFFITH | Baltimore |
| JUANITA G. HAWKINS | Cockeysville |
| STEPHEN J. HORN | Newark, Delaware |
| DONALD P. HUTCHINSON | Essex |
| MARGARET KILEY | Towson |
| ARTHUR G. MADDEN | Baltimore |
| SAMUEL P. MASSIE | Laurel |
| M. JACQUELINE McCURDY | Arnold |

OFFICERS OF THE UNIVERSITY

| | |
|--------------------|----------------|
| HOKE L. SMITH | President |
| JOSEPH W. COX | Vice President |
| DONALD N. McCULLOH | Vice President |
| DOROTHY G. SIEGEL | Vice President |
| PAUL E. WISDOM | Vice President |

OFFICERS FOR GRADUATE STUDIES

| | |
|---------------------|--|
| FREDERICK C. ARNOLD | Acting Dean of Graduate Studies |
| JOYCE R. SCHWARTZ | Acting Associate Dean of Graduate Studies |
| RICHARD J. WILLIAMS | Acting Associate Dean of Graduate Studies |

GRADUATE STUDIES COMMITTEE

| | |
|---------------------|--|
| FREDERICK C. ARNOLD | ACTING DEAN OF GRADUATE STUDIES |
| JOSEPH W. COX | VICE PRESIDENT AND DEAN OF THE UNIVERSITY |
| ARTHUR HOLT | PROFESSOR OF BUSINESS ADMINISTRATION |
| JOSEPH P. GUTKOSKA | PROFESSOR OF EDUCATION |
| ROGER L. POIRIER | ASSOCIATE PROFESSOR OF MODERN LANGUAGES |
| DONALD C. FORESTER | ASSOCIATE PROFESSOR OF BIOLOGY |
| MARY M. SUYDAM | PROFESSOR OF PSYCHOLOGY |
| J. ELLEN EASON | PROFESSOR OF PHYSICAL EDUCATION |
| JOYCE R. SCHWARTZ | ASSOCIATE PROFESSOR OF COMMUNICATION SCIENCES AND DISORDERS |
| RICHARD J. WILLIAMS | PROFESSOR OF EDUCATION |

GRADUATE SCHOOL COORDINATORS

| | |
|---------------------|---|
| JOYCE R. SCHWARTZ | MASTER OF ARTS/MASTER OF SCIENCE DEGREE PROGRAMS |
| RICHARD J. WILLIAMS | MASTER OF EDUCATION DEGREE PROGRAMS |
| BONNIE BLAKE | IN-SERVICE EDUCATION AND OFF-CAMPUS CENTERS |

GRADUATE DEPARTMENTAL COORDINATORS

| | |
|----------------------|--|
| CLIFFORD D. ALPER | MUSIC EDUCATION |
| FREDERICK C. ARNOLD | GENERAL STUDIES |
| BARRY A. BASS | CLINICAL PSYCHOLOGY |
| BETTE R. BONDER | HEALTH SCIENCE |
| MARLENE COWAN | MASS COMMUNICATION |
| DONALD H. CRAVER | ENGLISH |
| ANTHONY DiCESARE | COUNSELING PSYCHOLOGY |
| JORGE A. GIRO | MODERN LANGUAGE |
| JOSEPH P. GUTKOSKA | READING |
| CRAIG T. JOHNSON | EXPERIMENTAL PSYCHOLOGY |
| MARGARET A. KILEY | SECONDARY EDUCATION |
| THEORDORA R. KIMSEY | EARLY CHILDHOOD EDUCATION |
| CHARLES LONEGAN, JR. | SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY |
| WAYNE McKIM | GEOGRAPHY AND ENVIRONMENTAL PLANNING |
| MARY-ANN MYRANT | PHYSICAL EDUCATION |
| STANLEY M. POLLACK | ART EDUCATION |
| GARY W. ROSECRANS | INSTRUCTIONAL TECHNOLOGY |
| ROBERT E. SHOEMAKER | BIOLOGY |
| MARTHA SIEGEL | MATHEMATICS |
| BARBARA R. SLATER | SCHOOL PSYCHOLOGY |
| JOSEPH SUHORSKY | ELEMENTARY EDUCATION |

INSTRUCTIONAL FACULTY—1980-1981

The date in parenthesis following the listing of each person is the date of first appointment in the university.

- CLIFFORD D. ALPER, Professor of Music
B.M., University of Miami; M.M. University of Miami; Ph.D.
University of Maryland (1960)
- MAURITZ G. ANDERSON, Associate Professor of Biology
B.A., University of Michigan; M.A., Indiana University; Ph.D.
Virginia Polytechnic Institute and State University (1963)
- HERBERT D. ANDREWS, Professor of History
A.B., Bowdoin College; M.A., Ph.D., Northwestern University (1959)
- JAMES M. ANTHONY, Assistant Professor of Music
B.M., B.A., University of Arkansas; M.A., University of Michigan; Ph.D.,
University of Michigan (1971)
- JUDY G. ARMSTRONG, Associate Professor of Psychology
B.A., Brooklyn College; Ph.D., University of California at Berkeley (1974)
- GOLDEN E. ARRINGTON, Professor of Music
B.M., M.M., University of Idaho; Ph.D.
University of Texas (1968)
- JANET K. ANDERSON, Assistant Professor of Psychology
B.A., University of Portland; B.S., Universidad Interamericana; M.S.
Kansas State University; Ph.D., University of Maryland (1977)
- EVELYN AVERY, Assistant Professor of English and Ethnic Studies
B.A., Brooklyn College; M.S., D.A., Ph.D., University of Oregon (1974)
- GEORGIA BAKER, Associate Professor of Theatre Arts
B.S., University of Kansas; M.A., Stanford University (1966)
- CHANDLER BARBOUR, Professor of Education & Director of CASE
B.S., Washington State College; M.Ed., University of Maine; Ed.D.;
Wayne State University (1970)
- JOHN R. BAREHAM, Professor of Physics
B.S., Towson State College; M.A. Ed.D., Teacher's College,
Columbia University (1956)
- BARRY A. BASS, Associate Professor of Psychology
B.A., Rutgers University; Ph.D., University of Tennessee (1974)
- HARRY E. BATES, Assistant Professor of Physics
B.S., Auburn University; M.S. Rollins College; Ph.D.
University of Florida (1977)
- ROBERT D. BECKEY, Associate Professor of Mathematics
A.B. Wittenberg University; M.Ed., Miami University (1959)
- CARL BEHM, Assistant Professor of English
B.A., M.A., Ph.D., University of Maryland (1972)
- ERIC A. BELGRAD, Professor of Political Science
B.A., M.A., Ph.D., Johns Hopkins University (1966)
- DAVID BERGMAN, Assistant Professor of English
A.B., Kenyon College; M.A., Ph.D., Johns Hopkins University (1977)
- PAUL BERMAN, Professor of Theatre Arts and Chairperson of Theatre
Arts
B.A., Queens College; M.A., Hunter College (1970)
- JAMES BINKO, Professor of Education and Acting Dean of
Teacher Education
B.S., Towson State College; M.A., Ph.D., University of Maryland (1962)

BONNIE BLAKE, Assistant Professor of Education and Graduate Coordinator of In-Service Programs
 B.S., M.Ed., Towson State College; Ed.D. George Washington University (1971)

FLOYD A. BLANKENSHIP, Associate Professor of Chemistry
 B.S., University of Georgia; Ph.D., University of Illinois (1966)

MARIE-LOUISE F. BLOUNT, Associate Professor and Director of Occupational Therapy
 B.S. in Education, Tufts University—Boston School of Occupational Therapy; A.M., Boston University (1976)

ARNOLD BLUMBERG, Professor of History
 B.S., M.S., Ph.D., University of Pennsylvania (1958)

FRANCES T. BOND, Professor of Education and Associate Director of CASE, Early Childhood Education.
 B.S., M.Ed., Towson State University; Ph.D., University of Maryland (1962)

BETTE R. BONDER, Assistant Professor of Occupational Therapy and Health Science
 B.S., Washington University; M.A., St. Louis University; Ph.D. Northwestern University (1977)

PHYLLIS BOSLEY, Associate Professor of Speech and Mass Communication
 B.A., Southwestern College; M.A., University of Nebraska; Ph.D., Bowling Green State University (1964)

HELENE BREAZEALE, Associate Professor of Music
 B.S., Julliard School of Music; M.A. Teachers College, Columbia University; Ph.D., Union Graduate School (1972)

JOSEPH BRISCUSO, Assistant Professor of Music
 B.A., St. Louis Institute of Music; M.A., Milikin University; Ph.D., University of Iowa (1975)

SAMUEL BRODBELT, Associate Professor of Education
 B.A., M.Ed.; Ph.D., Ohio State University (1969)

GILBERT A. BRÜNGARDT, Professor of Music, and Dean of Arts and Letters and Communication Arts and Sciences
 B.M. Ed., Fort Hays State College; M.M. Washington University; D.M.A., University of Illinois (1967)

ANTHONY A. CACOSSA, Professor of Modern Languages
 B.A., Johns Hopkins University; M.A., Syracuse University; D.M.L., Università di Catania (Italy); Certificate in Hispanic Studies, Universidad de los Andes (Colombia) (1965)

ROBERT L. CARET, Assistant Professor of Chemistry
 B.S., Suffolk University; Ph.D., University of New Hampshire (1974)

DONALD L. CASSATT, Professor of Psychology
 B.S., Indiana State College, Pennsylvania; M.L., Ph.D. University of Pittsburgh (1960)

YEN FOOK CHANG, Instructor of Mathematics
 B.S., University of Malaya; M.S. Southern Illinois University; Ph.D., Iowa State University (1978)

CELLESTINE CHEEKS, Assistant Professor of Instructional Technology
 B.A., Jackson State University; M.L.S., University of Illinois; Ph.D. University of Pittsburgh (1978)

EDWIN COHEN, Associate Professor of Education
 B.S., M.Ed., The Johns Hopkins University (1969)

VINCENT J. COLIMORE, Professor of Education
 B.A., Loyola University; M.S. Fordham University; Ph.D., New York University (1967)

RUTH M. CONARD, Professor of Physical Education
 A.B., Shepherd College; M.S., University of Wisconsin;
 Ed.D., Temple University (1963)

JOHN E. CONNOLLY, Assistant Professor of English
 B.A., University of Scranton; M.A., Ph.D., University of Pennsylvania (1970)

CHARLOTTE COOK, Assistant Professor of Health Science
 B.S., Iowa State University of Science and Technology; M.S.
 Southern Illinois University; Ph.D., Southern Illinois University (1978)

JAMES P. COUGHLIN, Instructor of Mathematics
 B.S., Fordham College; M.A., Columbia University;
 Ph.D., University of Colorado (1979)

SARA COULTER, Professor of English
 B.A., Colorado College; Ph.D., University of Colorado (1969)

MARLENE C. COWAN, Associate Professor of Speech and
 Mass Communication
 B.A., M.A., University of Missouri; Ph.D., Temple University (1965)

JOSEPH W. COX, Professor of History and Vice President and Dean of
 the University
 B.A., M.A., Ph.D., University of Maryland (1964)

DONALD H. CRAVER, Professor of English, Co-Chairman of English
 B.S., Wake Forest College; M.A., Duke University; M. Phil., Ph.D.,
 The George Washington University (1962)

PHILLIP D. CREIGHTON, Associate Professor of Biology
 B.A., Tarkio College; M.S., Colorado State University;
 Ph.D., Colorado State University (1973)

RONALD W. CUBBISON, Associate Professor of Art
 B.S., Philadelphia College of Art; M.F.A., Pennsylvania State University (1962)

GORDON CYR, Associate Professor of Music
 A.B., Ph.D., University of California at Berkeley (1971)

ROBERT E. DAIHL, Associate Professor of Biology and
 Science Education
 B.S., Shippensburg State College; M.A., Ohio State University (1962)

ANNE M. DAURIA, Associate Professor of Nursing
 B.S.N., Case-Western Reserve; M.S.N., University of Colorado;
 Ed.D., University of Virginia (1976)

EDWARD DAVIS, Associate Professor of Mathematics
 Ed.B., Ed.M., University of Rhode Island; Ed.D.,
 University of New Mexico (1970)

RENE deBRABANDER, Professor of Philosophy
 B.A., M.A., University of Louvain; Ph.D., Georgetown University (1970)

NORDULF W. G. DEBYE, Assistant Professor of Chemistry
 B.A., Rice University; Ph.D., Cornell University (1975)

DAVID W. DENT, Associate Professor of Political Science
 B.A., M.A., San Diego State College; Ph.D., University of Minnesota (1972)

ANTHONY DiCESARE, Assistant Professor of Psychology
 A.B., Suffolk College; M.A., Michigan State University;
 Ph.D., University of Maryland (1971)

NORMAN R. DIFFENDERFER, Associate Professor of Geography and
 Environmental Planning
 B.S., Shippensburg State College, Pennsylvania;
 M.A., University of Nebraska (1957)

JAMES E. DILISIO, Assistant Professor of Geography and Environmental Planning, Chairperson of Geography and Environmental Planning
B.S., Salem State; M.A., Wayne State University;
Ph.D. University of Oklahoma (1975)

JAMES DORN, Assistant Professor of Economics
M.A., Ph.D., University of Virginia (1972)

PAUL H. DOUGLAS, Associate Professor of English
B.A., University of Connecticut; M.A., University of Oregon; M. Phil., Ph.D.,
George Washington University (1969)

H. FILMORE DOWLING, Associate Professor of English
B.A., Swarthmore College; M.A., University of Wisconsin;
Ph.D., Lehigh University (1966)

RUTH DRUCKER, Associate Professor of Music
B. Mus., M. Mus., Eastman School of Music, University of Rochester (1967)

J. ELLEN EASON, Professor of Physical Education
B.S., East Carolina University; M.Ed., University of North Carolina at Greensboro;
Ed.D. George Peabody College for Teachers (1966)

GEORGIA ECONOMOU, Associate Professor of English
B.A., Scripps College; M.A., Columbia University (1965)

ALAN EDELSTEIN, Instructor of Sociology
B.A., City College of New York; M.A., Ph.D., City University of New York (1978)

GERD W. EHRLICH, Professor of Political Science
A.B., College of Idaho; M.A., Washington State University; J.D., University of
Maryland; Ph.D., Johns Hopkins University (1966)

SMART A. EKPO, Professor of Political Science
B.A., Howard University; M.A., American University;
Ph.D., American University (1967)

GENEVA ELY-FLICKINGER, Professor of Education and Chairperson of
Secondary Education
A.B., Hood College; M.A., Ph.D., Teachers College, Columbia University (1967)

PHYLLIS G. ENSOR, Associate Professor of Health Science
B.A., Taylor University; M.A., University of Maryland; Ph.D.,
New York University (1973)

HOWARD R. ERICKSON, Professor of Biology
B.S., Indiana State College, Pennsylvania; M.S., Pennsylvania State
University; Ph.D., Cornell University (1959)

DEAN R. ESSLINGER, Professor of History
B.A., University of Kansas; M.A., Ph.D., University of Notre Dame (1968)

THOMAS G. EVANS, Associate Professor of German
B.A., University of Rochester; M.A., Johns Hopkins University (1967)

JAMES E. EWIG, Assistant Professor of Biology
B.A., Washington & Jefferson College; M.S., Ph.D.,
Pennsylvania State University (1971)

JOHN FARIS, Assistant Professor of Sociology
B.A., University of Washington; M.A., Ph.D., University of Chicago (1974)

MARGARET E. FAULKNER, Assistant Professor of Physical Education
B.S., West Chester State College; M.A., Trenton State College;
Ed.D., University of Northern Colorado (1970)

MICHAEL FIGLER, Associate Professor of Psychology
B.S., University of Wisconsin; M.A., Ph.D., Michigan State University (1971)

CECELIA FINK, Associate Professor of Education
B.S., Towson State University; M.L.A., Johns Hopkins University;
Ed.D., University of Maryland (1969)

ROGER FINK, Assistant Professor of Psychology
 B.A., Concordia College; M.Div., Concordia Seminary; M.A., Loyola College;
 Ph.D., University of Maryland (1972)

DAVID FIRMAN, Professor of Geography and Environmental Planning
 B.A., M.A., University of California at Los Angeles;
 Ph.D., University of Maryland (1955)

VICTOR B. FISHER, Associate Professor of Anthropology
 A.B., Bucknell University (1961)

JOHN FIX, Associate Professor of Art
 B.S., Ohio State University; M.F.A., Cranbrook Academy of Art (1967)

CHARLES C. FLIPPEN, Assistant Professor of Speech
 and Mass Communication
 B.A., Washington and Lee University, M.A., Ph.D.,
 University of North Carolina (1979)

JAMES W. FLOOD, Associate Professor of Art, Chairperson of Art
 B.S., Philadelphia Museum College of Art; M.A., University of Illinois (1966)

ANNETTE C. FLOWER, Professor of English and Dean of
 Social Sciences, Humanistic Studies and Managerial Sciences
 B.A., M.A., Ph.D., University of Maryland (1969)

DONALD C. FORESTER, Associate Professor of Biology
 B.A., M.S., Texas Tech University; Ph.D., North Carolina
 State University (1974)

GEORGE S. FRIEDMAN, Professor of English
 B.A., Temple University; M.A., Ph.D., Duke University (1966)

WOLFGANG FUCHS, Associate Professor of Philosophy
 B.S., Duquesne University; M.A., Ph.D., Pennsylvania State University (1969)

JAMES M. FURUKAWA, Professor of Psychology
 B.S., Sophia University; M.Ed., Loyola University; J.D., University of Maryland;
 Ph.D., Johns Hopkins University (1967)

NEIL E. GALLAGHER, Associate Professor of Health Science,
 Chairperson of Health Science.
 B.S., University of Dayton; M.Ed., Temple University;
 Ph.D., University of Maryland (1970)

ROBERT J. GARNER, Associate Professor of Education
 A.B., Catholic University; M.Ed., Ed.D., University of Maryland (1969)

WILLIAM L. GEHRING, Associate Professor of Education, and
 Divisional Education Media Coordinator
 B.S., Towson State College; M.Ed., Johns Hopkins University
 Ph.D., Catholic University of America (1965)

C. RICHARD GILLESPIE, Professor of Theatre Arts
 B.A., Principia College; M.A., Ph.D., State University of Iowa (1961)

JORGE A. GIRO, Professor of Spanish and Chairperson,
 Modern Languages
 Dr. of Law, Universidad de Santo Tomas de Villaneuva and Jose Marti, Havana,
 Cuba; B.A., M.S., Indiana State University (1966)

VIC S. GLADSTONE, Associate Professor of Communication
 Sciences and Disorders
 B.S., M.S., Pennsylvania State University; Ph.D., University of Maryland (1971)

IRWIN GOLDBERG, Professor of Sociology, Chairperson
 of Sociology and Anthropology
 B.S.S., City College of New York; M.A., Ph.D., University of
 Michigan (1972)

JOHN H. GRANT, Associate Professor of Mathematics
 B.S., City College of New York; Ph.D., New York University (1978)

DAVID G. S. GREENE, Assistant Professor of Physics
B.A., Alfred University; Ph.D., University of Wisconsin (1970)

HAROLD GRISWOLD, Associate Professor of Music
B.A., Evansville College; M.M., Indiana University;
D.M.A., Peabody Conservatory (1969)

HENRI A. GROENHEIM, Associate Professor of Psychology
B.A., Pennsylvania State University; M.A., The George Washington
University; Ph.D., Florida State University (1969)

MICHAEL GROSSMAN, Professor of Political Science
A.B., Oberlin College; M.A., Ph.D., Johns Hopkins University (1963)

DAVID F. GUILLAUME, Associate Professor of Art
B.F.A., Alfred University; M.A., Syracuse University (1959)

JOSEPH P. GUTKOSKA, Professor of Education,
Director of Reading
B.S., Towson State College; M.Ed., Temple University;
Ed.D., University of Maryland (1967)

KENNETH HADDOCK, Assistant Professor of Geography
and Environmental Planning
B.S., Boston State University; M.A., Ph.D., Michigan State University (1977)

HENRY GEORGE HAHN, Associate Professor of English
B.S., Mt. St. Mary's College; M.A., University of Maryland; M.L.A.,
John's Hopkins University; Ph.D., University of Maryland (1965)

NANCY V. HAMLETT, Assistant Professor Biology
B.S., M.S., University of Florida; Ph.D., Johns Hopkins University (1976)

IRENE W. HANSON, Professor of Education
B.S., M.S., Temple University; Ph.D., University of Minnesota (1968)

PAUL E. HANSON, Associate Professor of English
B.A., San Francisco State College; M.A., Ph.D., New York University (1960)

ROBERT B. HANSON, Professor of Mathematics
B.S., Towson State College; M.A., Bowdoin College; Ed.D.,
University of Maryland (1966)

CHARLES A. HASLUP, Associate Professor of Music, and
Assistant to the President
B.S., State Teachers College at Towson; M.Ed., University of Maryland (1957)

ALVIE L. HASTE, Associate Professor of Mathematics
B.S. in Education, Ohio State University; M.A., University of Cincinnati (1964)

ELIZABETH R. HATCHER, Associate Professor of English
B.A., Dominican College of San Rafael; M.A., Ph.D.,
Johns Hopkins University (1969)

BILLY D. HAUSERMAN, Professor of Education
B.S., State Teacher's College of Brockport; M.Ed., University
of California at Los Angeles; Ed.D., University of Buffalo (1965)

NORMA HAUSERMAN-CAMPBELL, Professor of Education
B.S., State University of New York at Brockport; Ed.M., University of Buffalo;
Ph.D., University of Maryland (1971)

ELAINE HEDGES, Professor of English
B.A., Barnard College; M.A., Radcliffe College; Ph.D., Harvard University (1967)

RICHARD C. HELFRICH, Associate Professor of Education
B.S., University of Scranton; M.Ed., University of Pittsburgh; Ed.D.,
University of Maryland (1970)

CARL V. HENRIKSON, Assistant Professor of Biology
B.S., University of North Dakota; M.A., Ph.D., University
of South Dakota (1970)

MARJORIE R. HENRY, Professor of English
A.B., M.A., Baylor University; Ph.D., University of Washington (1959)

JAMES J. HILL, Associate Professor of Philosophy
B.A., Ph.D., Johns Hopkins University (1964)

JAMES HILL, JR., Associate Professor of English
B.A., Lehigh University; M.A., Temple University;
Ph.D., University of Texas (1970)

RICHARD L. HILTON, JR., Associate Professor of Biology,
Chairperson of Biology
B.A., M.A., University of Connecticut; Ph.D.,
University of Arizona (1969)

EDWIN A. HIRSCHMANN, Associate Professor of History
B.A., John Hopkins University; M.A., Pennsylvania State University;
M.A., Ph.D., University of Wisconsin (1969)

ABOLMAJD HOJJATI, Professor of Sociology
B.A., University of Tehran; M.S., Southern Illinois University
Ph.D., St. Louis University (1968)

EDWARD W. HOLMES, Professor of Education and
Chairperson of Elementary Education
B.S., State University College, Oneonta, New York; M.Ed., State University Col-
lege, Cortland, New York; Ph.D., University of Maryland (1971)

ARTHUR L. HOLT, Professor of Business Administration
B.B.A., M.B.A., University of Texas; J.D., University of Maryland, Ph.D.,
Ohio State University (1975)

MARTIN HORAK, Professor of Mathematics
B.S., Loyola College; M.S., University of Notre Dame;
Ph.D., University of Maryland (1967)

JACOB W. HUANG, Professor of Physics
B.S., Taiwan University; Ph.D., Johns Hopkins University (1967)

NINA E. HUGHES, Professor of English, and Speech
A.B., Florida State College for Women; M.A., Catholic University of
America; Ed.D., Teachers College, Columbia University (1947)

JAMES C. HULL, Assistant Professor of Biology
B.A., Ph.D., University of California, Santa Barbara (1976)

MICHAEL H. JESSUP, Professor of Education
A.B., A.M., Ed.D., The George Washington University (1967)

JENNY JOCHENS, Professor of History
Cand. Phil., Cand. Mag., University of Copenhagen (1969)

CRAIG T. JOHNSON, Assistant Professor of Psychology
B.A., University of Wisconsin; M.A., Ph.D., Johns Hopkins University (1974)

ROBERT W. JOHNSON, Associate Professor of Physics
B.A., Wayne State University; M.A., University of Michigan;
Ed.D., Wayne State University (1969)

DAN L. JONES, Professor of English, Co-Chairperson
of English
B.A., Ph.D., University of Utah (1966)

PAUL E. JONES, Assistant Professor of Instructional Technology
and Chairperson of Instructional Technology
A.B., Pfeiffer College; M.A., Appalachian State University;
Ed.D., University of Virginia (1971)

SHARON JONES, Assistant Professor of Mathematics
B.S., Ottawa University; M.A., Ph.D., University of Minnesota (1971)

RUTHELLEN JOSSELYN, Assistant Professor of Psychology
B.A., University of Michigan; Ph.D., University of Michigan (1975)

MARY CATHERINE KAHL, Professor of History, and
Chairperson of History
A.B., M.A., University of Maryland (1943)

NANETTE S. KANDEL, Professor of Sociology
B.A., Hunter College of the City of New York; M.S.W., University of
Pennsylvania; Ph.D., University of Maryland (1968)

UNO KASK, Professor of Chemistry
B.S., University of Georgia; M.A., University of Minnesota;
Ph.D., University of Texas (1966)

JUNE KENNARD, Assistant Professor of Physical Education
B.S., M.A. University of Maryland; Ed.D., University of North Carolina (1974)

MITCHELL W. KERR, Professor of History
B.S., University of Oregon; M.A., Ph.D., Stanford University (1967)

MARGARET A. KILEY, Professor of Education
B.S., University of Buffalo; M.A., Ed.D., The George
Washington University (1969)

OHOE KIM, Associate Professor of Mathematics
B.A., The Korea University; M.A., Ph.D., University of Rochester (1972)

THEODORA R. KIMSEY, Professor of Education
B.S., University of Oklahoma; M.A., Ed.D., Teachers College,
Columbia University (1969)

CHARLOTTE A. KOOMJOHN, Associate Professor of English
B.S., St. Louis University; M.A., Miami University;
Ph.D. University of Rochester (1968)

GEORGE KRANZLER, Professor of Sociology
M.A., Ph.D., Columbus University; Ph.D., Jul. Max. University
Germany (1966)

THOMAS O. KRAUSE, Assistant Professor of Physics
B.S., Massachusetts Institute of Technology; Ph.D.,
Ohio State University (1976)

THOMAS G. KRUGGEL, Assistant Professor of Psychology
B.A., M.A., University of Michigan; Ph.D., Wayne State University (1974)

MARTHA J. KUMAR, Associate Professor of Political Science
A.B., Connecticut College; M.A., Ph.D., Columbia University (1971)

FREDERICKA KUNDIG, Professor of Biology
B.A., College of Wooster; Ph.D., University of Rochester (1967)

FREDERIC J. LADD, Associate Professor of Art
A.C.I.S. Bristol College of Commerce; University of Bristol Cert.Ed.,
Bath Academy of Art; M.A., Ph.D., Ohio State University (1971)

RICHARD D. LAINHART, Assistant Professor of Biology
B.S., Pacific Lutheran University; M.S., Idaho State University
Ph.D., Montana State University (1973)

KARL G. LAREW, Professor of History
B.A., University of Connecticut; M.A., Ph.D., Yale University (1966)

DAVID LARKIN, Associate Professor of Chemistry
B. Tech., Ph.D., Loughborough University of Technology (1973)

MARY LU LARSEN, Assistant Professor of Physics
B.S., Siena Heights College; M.S., Michigan State University
Ph.D., Michigan State University (1974)

PAUL J. LAVIN, Assistant Professor of Psychology
 B.S., Boston College; M.Ed., Springfield College;
 Ph.D., University of Maryland (1971)

JAMES C. LAWLOR, Associate Professor of Education &
 Acting Director of CASE
 B.S., Towson State College; M.L.A., Johns Hopkins University,
 Ph.D., University of Maryland (1971)

VINCENT LAWRENCE, Associate Professor of Music
 B.S., Mansfield State College; M.M.E., The Pennsylvania State University;
 Ph.D., Case Reserve University (1973)

SUZANNE RAMEY LEGAULT, Assistant Professor of English
 B.S., Hunter College; M.S., Ph.D., Georgetown University (1975)

M. BARBARA LEONS, Professor of Anthropology
 B.A., Brandeis University, M.A., Ph.D., University of
 California, Los Angeles (1970)

ARLEY W. LEVNO, Associate Professor of French
 B.A., University of Montana; M.A. University of Maryland; University of Paris
 E.S.P.P.F.E.; Institute de Phonetique; Ph.D. University of Maryland (1970)

CARYL LEWIS, Assistant Professor of Biology
 A.B., Western Maryland College; M.A., Bryn Mawr College;
 Ph.D., University of Maryland (1960)

MARILYN G. LEWIS, Professor of Education and
 Chairperson of Early Childhood Education
 B.S., M.S., Virginia Commonwealth University; Ed.D.,
 University of Virginia (1970)

JAMES LINDNER, Professor of Education
 B.S., M.S., Virginia Commonwealth University; Ed.D.,
 University of Virginia (1970)

HELEN LINDSAY, Associate Professor of Education
 B.S., M.Ed., Towson State College; Ph.D., Ohio State University (1967)

MARAVENE LOESCHKE, Assistant Professor of Theatre Arts
 B.S., M.A., Towson State University; Ph.D., Union Graduate School (1970)

EDWIN M. LOGAN, Professor of Instructional Technology
 B.S., Towson State College; M.A., College of William and Mary;
 Ed.D., University of Virginia (1967)

EDDIE L. LOH, Professor of Physics, and Chairperson of Physics
 B.S., Virginia Polytechnic Institute; Ph.D., Johns Hopkins University (1969)

CHARLES LONEGAN, JR., Associate Professor of Communication
 Sciences and Disorders
 B.A., Montclair State College; M.S., Pennsylvania State University;
 Ph.D., Michigan State University (1970)

ARTHUR G. MADDEN, Professor of Philosophy and
 Chairperson of Philosophy
 A.B., Fordham University; M.A., Columbia University;
 Ph.D., Fordham University (1967)

ROBERT A. MAGILL, Professor of French
 B.A., M.A., University of Virginia; Ph.D., Columbia University (1962)

JOHN MANLOVE, Associate Professor of Theatre Arts
 B.A., Reed College; M.A., DePauw University;
 Ph.D., University of Minnesota (1967)

DAVID MARCHAND, Professor of Music, and Chairperson of Music
 B.S. Bemidji State College; M.S., University of Illinois;
 Ph.D., University of Wisconsin (1970)

CURTIS V. MARTIN, Associate Professor of Geography and Environmental Planning
B.S., Trenton State College; M.A., Clark University (1957)

DOUGLAS D. MARTIN, Professor of History
B.A., M.A., Ph.D., University of Washington (1970)

ANTOINETTE MARZOTTO, Assistant Professor of Political Science
B.A., University of California; M.A., Ph.D., University of Connecticut (1975)

COY L. MAY, Instructor of Mathematics
B.A., University of Texas; M.A., U.C.L.A.; Ph.D., University of Texas (1979)

MADELEINE G. McDERMOTT, Associate Professor of French
Licence et Lettres, Sorbonne; M.A., Ph.D., Johns Hopkins University (1969)

JOHN C. McDONALD, Associate Professor of Physical Education
B.S., Davis-Elkins College; M.S., West Virginia University
D.A., Middle Tennessee State University (1967)

GEORGE C. McGINTY, Associate Professor of Physical Education
A.B., University of North Carolina; M.Ed., University of Maryland (1966)

WAYNE McKIM, Associate Professor of Geography and Environmental Planning
B.A., M.A., Michigan State University; Ph.D., Northwestern University (1971)

WAYNE C. McWILLIAMS, Associate Professor of History
B.A., Theil College; M.A., University of Hawaii; Ph.D., University of Kansas (1969)

THOMAS O. MEINHARDT, Professor of Physical Education
B.S., M.E., Kent State University; Ph.D., University of Illinois (1970)

JOHN MELICK, Associate Professor of Music
B.M., Curtis Institute of Music; M.M., Peabody Conservatory of Music (1969)

PRITAM T. MERANI, Professor of Political Science, and Chairperson of Political Science
B.A., M.A., Ph.D., Johns Hopkins University; J.D. University of Maryland (1965)

FRANK R. MILIO, Associate Professor of Chemistry
B.S., M.S., University of Maryland (1965)

LLOYD D. MILLER, Professor of Art
B.F.A., University of Iowa; M.A., Harvard University; Ed.D., Teachers College, Columbia University (1954)

STUART MILLER, Associate Professor of Psychology
B.S., University of Maryland; M.A. Hollins College; Ph.D., University of Maryland (1967)

JOHN B. MITCHELL, Professor of Art
B.S., M.A., Teachers College, Columbia University; Ph.D., New York University (1949)

LORETTA L. MOLITOR, Associate Professor of Physics
B.S., M.S., State University of New York, Buffalo; M.S.T., Cornell University; Ed.D., University of Pennsylvania (1971)

PATRICIA A. MONTLEY, Instructor of Speech and Mass Communication
B.A., College of Notre Dame of Maryland; M.A., University of Notre Dame; M.A., Catholic University of America; Ph.D., University of Minnesota (1978)

BARRY W. MOORE, Instructor, Speech and Mass Communication
B.A., M.A., Pennsylvania State University; Ph.D., University of Michigan (1978)

WILLIAM T. MOOREFIELD, Associate Professor of Physics
B.S., Johns Hopkins University; M.Ed., Loyola College (1959)

JOHN F. MORRISON, Instructor of Mathematics
B.S., Manhattan College; M.A., Ph.D., University of Maryland (1978)

FREDERICK MORSINK, Associate Professor of Biology
 B.S., Agricultural State University of Wageningen; M.S. Cornell University; Ph.D., University of New Hampshire (1966)

ARMIN E. MRUCK, Professor of History
 Staatsexamen Ph.D., Georgia Augusta University, Goettingen, Germany (1967)

HAROLD E. MUMA, Professor of Biology
 B.S., M.S., University of Maryland (1957)

JOHN J. MURUNGI, Associate Professor of Philosophy
 B.A., Beloit College; M.A., Ph.D., Pennsylvania State University (1969)

THELDON MYERS, Professor of Music
 B.S., Northern Illinois University; M.A., Fresno State College;
 D.Mus., Peabody Conservatory (1963)

MARY-ANN MYRANT, Associate Professor of Physical Education
 B.S., University of Oregon; M.S., Indiana University;
 Ph.D., Ohio State University (1970)

SAMUEL A. NASS, Associate Professor of Art
 B.S., Ohio University; M.A. Teacher's College;
 Columbia University (1956)

EDWARD NEULANDER, Professor of Psychology
 B.S. City College of New York; M.S., Ed.D., Cornell University (1950)

JOHN B. NEWMAN, Professor of Physics
 B.S., M.S., University of North Carolina, Ph.D., Johns Hopkins University (1967)

MARILYN NICHOLAS, Associate Professor of Education
 A.B., Regis College; M.E., Boston University;
 Ed.D., George Washington University (1967)

LOIS D. ODELL, Professor of Biology
 A.B., New York State College for Teachers at Albany; M.A.,
 Ph.D., Cornell University (1947)

JACK D. OSMAN, Professor of Health Science
 B.S., West Chester State College; M.A., University of Maryland;
 Ph.D., Ohio State University (1971)

FREDERICK J. PARENTE, Assistant Professor of Psychology
 B.A., California State University; M.A., Ph.D., University of New Mexico (1975)

HARVEY PAUL, Associate Professor of Economics
 B.A., Brooklyn College; M.A., Ph.D., State University of New York, Buffalo (1972)

JAMES R. PAULSEN, Associate Professor of Art
 B.A., Western Illinois University; M.A., Northern Illinois University, (1969)

WILLIAM F. PELHAM, Professor of Physics
 B.Ch.E., Clarkson College of Technology; M.A., Ed.D., Teachers College,
 Columbia University (1955)

HERBERT PETRI, Associate Professor of Psychology, and Chairperson,
 Psychology
 A.B., Miami University; M.A., Ph.D., Johns Hopkins University (1971)

HARRY PIOTROWSKI, Associate Professor of History
 B.S., State University of New York; Ph.D., Syracuse University (1966)

PATRICIA PLANTE, Professor of English
 B.A., St. Joseph's College; M.A., St. Michael's College;
 Ph.D., Boston University (1969)

ROGER L. POIRIER, Associate Professor of French
 M.A., Western Reserve University; M.A., Ph.D., Johns Hopkins University (1968)

STANLEY M. POLLACK, Professor of Art
 B.S.S., City College of New York; M.A., Teachers College,
 Columbia University (1951)

ALAN J. PRIBULA, Assistant Professor, Chemistry
 B.S., Bucknell University; Ph.D., University of Illinois, Urbana (1976)

JOAN RABIN, Assistant Professor of Psychology
 B.A., Queens College; Ph.D., State University of New York, Buffalo (1971)

BETTY L. RASKIN, Associate Professor of Psychology
 B.A., Goucher College; M.A., Ph.D., Johns Hopkins University (1967)

DALE RAUSCHENBERG, Associate Professor of Music
 B.M.E., Youngstown University; M.M. Indiana University (1966)

BINA D. RAVAL, Assistant Professor of Psychology
 B.A., Bihar University; M.A., Ph.D., Catholic University of America (1969)

JOHN DAVID RAWN, Assistant Professor of Chemistry
 B.S., Capital University; Ph.D., Ohio State University (1974)

REYNALDO REYES, Professor of Music
 B.Mus., Santo Tomas University; M.Mus., Peabody Conservatory of Music (1967)

R. RAYMOND RIORDON, Associate Professor of Physical Education
 A.B., Shepherd College, M.E., Miami University (1964)

FRED M. RIVERS, Professor of History
 B.A., Rutgers University; M.A., Hunter College,
 Ph.D., University of Maryland (1966)

GERALD D. ROBINSON, Assistant Professor of Biology
 B.A., Lock Haven State College; Ph.D., The Pennsylvania State University (1977)

LYNN B. RODEWALD, Assistant Professor of Chemistry
 B.A., Whittier College; Ph.D., Iowa State University (1975)

GARY W. ROSECRANS, Associate Professor of Instructional Technology
 B.A., Wichita State University; M.Ed., Ed.D., University of Virginia (1972)

FRANCES ROTHSTEIN, Associate Professor of Anthropology
 B.A., Queens College; Ph.D., University of Pittsburgh (1974)

RODERICK N. RYON, Professor of History
 A.B., Western Maryland College; A.M.,
 Ph.D., Pennsylvania State University (1965)

HENRY N. SANBORN, Professor of Economics
 B.A., George Washington University; M.A., Ph.D., University of Chicago (1965)

FRANK J. SANDERS, Professor of History
 B.A., Grinnell College; M.A., University of Toronto;
 Ph.D., University of Arizona (1967)
 Ph.D., University of Arizona (1967)

JEFFREY L. SANDERS, Associate Professor of Psychology
 B.A., Towson State College; M.A., University of Texas; Ph.D., George Washington
 University (1968)

HARVEY L. SAXTON, Professor of Psychology
 B.S., Central Connecticut State College; M.A., Ph.D.,
 University of Connecticut (1957)

AUBREY G. SCARBROUGH, Professor of Biology
 B.S., M.S., University of Arkansas; Ph.D., University of Illinois (1970)

JEAN A. SCARPACI, Associate Professor of History
 B.A., Hofstra University; M.A., Ph.D., Rutgers University (1968)

MYRON I. SCHOLNICK, Associate Professor of History
 B.A., American University; M.A., Ph.D., University of Maryland (1967)

RUTH C. SCHWALM, Associate Professor Nursing
 B.S., University of Pennsylvania; M.R.E., United Theological Seminary;
 M.S., University of Maryland (1970)

JOYCE R. SCHWARTZ, Associate Professor of Communication Sciences & Disorders, & Graduate School Coordinator for Master of Arts and Master of Science Degree Programs

B.A., M.A., Ohio State University; Sc.D., Johns Hopkins University (1965)

RALPH SCOTT, Assistant Professor of Geography and Environmental Planning

B.S., M.S., Florida State University; Ph.D., University of Georgia (1974)

ERIK SCULLY, Instructor of Biology

B.S., Fordham University; Ph.D., University of Rhode Island (1978)

R. GUY SEDLACK, Associate Professor of Sociology

B.A., Hamilton College; M.A., Ph.D., University of Maryland (1970)

LOUIS A. SHEETS, Professor of English

A.B., M.A., Marshall University; Ph.D., Ohio State University (1966)

NORMAN L. SHEETS, Professor of Physical Education; Associate Vice-President for Academic Affairs and Dean of Applied Sciences

B.A., Glenville State College; M.S., Baylor University; Ed.D., West Virginia University (1969)

IRENE K. SHIPMAN, Associate Professor of Speech and Mass Communication and Chairperson of Speech and Mass Communication

B.S. Towson State College; M.A., University of Maryland; Ph.D., University of Maryland (1970)

ROBERT E. SHOEMAKER, Professor of Biology

B.A., Carleton College; M.S., Ph.D., University of Minnesota (1967)

DOROTHY SIEGEL, Associate Professor of Psychology, and Vice President for Student Services

B.A., M.A., Temple University (1966)

MARTHA SIEGEL, Professor of Mathematics

B.A., Russell Sage College; M.A., Ph.D., University of Rochester (1971)

JAN SINNOTT, Instructor of Psychology

B.S., St. Louis University; M.A., Ph.D., Catholic University (1978)

WILLIAM R. SLADEK, Assistant Professor of History

B.A., Maryknoll Seminary, Illinois; B.D., M.Th., Maryknoll Seminary, New York; Ph.D., Johns Hopkins University (1970)

BARBARA R. SLATER, Professor of Psychology

B.A., M.Ed., St. Lawrence University; Ph.D., Teachers College, Columbia University (1971)

ROBERT L. SLEVIN, Associate Professor of Physical Education

B.S., Ball State University; M.S., Baylor University; Ed.D., Louisiana State University (1970)

THOMAS SPACHT, Instructor of Music

B.M., Oberlin Conservatory; M.M., Syracuse University; D.M.A., Eastman School of Music (1977)

JAY STANLEY, Professor of Sociology

B.S., M.A., University of Tennessee; Ph.D., University of Maryland (1971)

JOSEPH SUHORSKY, Associate Professor of Education

B.S., Indiana State; M.Ed., Loyola College; Ph.D., University of Maryland (1971)

CYNTHIA SULFRIDGE, Instructor of English

B.A., Carson-Newman College; M.A., University of Tennessee;

THOMAS G. SUPENSKY, Associate Professor of Art

B.R.A., The Ohio State University; M.Ed., Towson State College (1968)

MARY M. SUYDAM, Professor of Psychology
B.S., St. Laurence University; M.A., Michigan State University;
Ph.D., University of Massachusetts (1966)

LINDA M. SWEETING, Associate Professor of Chemistry
B.S., M.A., University of Toronto; Ph.D., University of California,
Los Angeles (1970)

ZOLTAN SZABO, Associate Professor of Music
B.M., M.M., Peabody Conservatory; D.M. Indiana University (1979)

BEATRICE JUNE THEARLE, Professor of English
B.A., M.A., Ph.D., University of Maryland (1955)

JOHN I. TOLAND, Professor of Sociology
B.A., University of Tulsa; M.A., Ph.D., University of Maryland (1969)

JOSEPH J. TOPPING, Associate Professor of Chemistry
B.S., LeMoyne College; M.S., Ph.D., University of New Hampshire (1970)

VINCENT A. TRITCH, Associate Professor of Education
B.S., Millersville State College; M.Ed., Temple University (1968)

LEON UKENS, Associate Professor of Physics
B.S., Fort Hayes Kansas State College; M.A., University of Northern Colorado;
Ph.D., New York University (1972)

ROYCE W. VAN NORMAN, Professor of Education and
Director of Professional Programs
B.S. Wilson Teachers College; M.A., Catholic University;
Ph.D., Johns Hopkins University (1967)

GLORIA K. VANDERHORST, Assistant Professor of Psychology
B.S., Indiana State University; M.A., Indiana State University;
Ph.D., Bowling Green University (1975)

JOHN G. VAN OSDELL, Professor of History
B.A., Ph.D., Tulane University (1967)

RICHARD E. VATZ, Assistant Professor, Speech and
Mass Communication
B.A., M.A., Ph.D., University of Pittsburgh (1974)

SPYROS VENNOS, Assistant Professor, Business Administration
B.S., University of New Brunswick; M.B.A., University of Pennsylvania, Wharton
Graduate Division; M.S., D.Sc., Renesellaer Polytechnic Institute (1976)

MARGUERITE L. VERKRUZEN, Associate Professor of
Physical Education
A.B., Barnard College; M.S., Wellesley College (1962)

ALEXANDER W. VLANGAS, Associate Professor of Education
B.S., Towson State College; M.Ed., University of Maryland: C.A.S.E.,
Johns Hopkins University (1970)

SUSAN R. WALEN, Associate Professor of Psychology
B.A., M.A., Ph.D., University of Maryland (1970)

ROBERT WALL, Professor of Education
B.S., Iowa State University; M.A., Kent State University;
Ph.D., University of Maryland (1970)

BILL L. WALLACE, Professor of Communication Sciences and
Disorders and Chairperson of Communication Sciences and Disorders
B.S., M.S., Central Michigan University;
Ph.D., Ohio State University (1968)

HARRIET H. WARREN, Associate Professor and Field
Work Coordinator, Occupational Therapy
D.I.P. in Occupational Therapy, Milwaukee-Downer College;
B.S., New York Univrsity; M.S. Boston University (1974)

JOHN W. WEBSTER, Assistant Professor of Psychology
A.B., Rutgers University; Ed.M., Rutgers University;
Ed.D., Rutgers University (1972)

IRVIN WEINTRAUB, Associate Professor of Economics
A.B., Johns Hopkins University; M.S., Columbia University;
M.A., University of Maryland (1966)

DONALD A. WESLEY, Professor of Education
A.B., Western Reserve University; M.A., Ohio State University;
Ed.D., Western Reserve University (1965)

JOHN M. WESSNER, Assistant Professor of Physics
A.B., Amherst College; M.S.T., Wisconsin State University at Superior;
Ph.D., Montana State University (1973)

ROBERT Z. WEST, Associate Professor of Instructional
Technology
A.B., Harvard College; M.S., M.S., in Ed., Ed.D.,
University of Pennsylvania (1969)

MARK I. WHITMAN, Professor of History
B.A., Dartmouth College; M.A., Ph.D., Harvard University (1967)

JACQUELINE WILKOTZ, Associate Professor of English
A.B., M.A., Ph.D., University of California at Berkeley (1973)

RICHARD J. WILLIAMS, Professor of Education and Coordinator
of Master of Education Degree Programs
B.A., Gettysburg College; M.Ed., University of Delaware;
Ph.D., Michigan State University (1970)

ALAN S. WINGROVE, Associate Professor of Chemistry, Chairperson
of Chemistry
B.S., University of California, Berkeley; Ph.D., University of
California, Los Angeles (1973)

ALFRED D. WOLKOWITZ, Associate Professor of English
A.B., Columbia College; M.A., Columbia University
Ph.D., New York University (1970)

GARY A. WOOD, Associate Professor of English
B.A., Westminster College; M.A., Ph.D., University of Pittsburgh (1971)

ARTHUR C. YARBROUGH, JR., Associate Professor of Chemistry
B.S., Georgia Southern College; M.A., George Peabody College for Teachers
(1957)

RITA M. YERKES, Assistant Professor of Physical Education
B.A., University of Kentucky; M.A., University of Missouri;
Ed.D., Northern Illinois University (1980)

GAROLD S. YOST, Instructor in Chemistry
B.S., Bethel College; M.S., University of Hawaii;
Ph.D., Colorado State University (1978)

FAY E. YQUELLS, Assistant Professor of Health Science
B.S., East Stroudsburg State College; M.Ed., East Stroudsburg State College;
D.Ed., Boston University (1980)

PHILIP YOUNG, Assistant Professor of Psychology
B.A., Wabash College; M.A., Ph.D., Northwestern University (1972)

ROBERT G. ZEIGLER, Professor of Physical Education, Chairperson,
Physical Education
B.S., West Chester State College; M.S., Ed.D., Pennsylvania
State University (1971)

CARL L. ZIMMERMAN, Professor of Mathematics
B.S., Washington College; M.A., Louisiana State University;
Ph.D., University of Maryland (1962)

MILDRED ZINDLER, Professor of Art
A.B., Florida State University; M.A., Ed.D.,
Teachers College, Columbia University (1966)

STANLEY ZWEBACK, Assistant Professor of Psychology
B.A., Trenton State College; M.Ed., Rutgers University;
Ph.D., University of Maryland (1970)



INDEX

- Accreditation, 6
- Administration, 113
- Admission, 11
- Admission, Pre-degree, 14
- Adult Education Courses, 70
- Advisement, 7
- Anthropology Courses, 108
- Application Fee, 8
- Art Education Courses, 52
 - Program, 38
- Biology Courses, 54
 - Program, 30
- Buildings, 5
- Business Administration Courses, 56
- Calendar, Academic, 1
- Campus, Description of, 5, Map of, I.B.C.
- Car Registration Fee, 8
- Change of Course Fee, 8
- Chemistry Courses, 57
- Clinical Psychology, 24
- Communication Sciences and Disorders, 58
- Comprehensive Examination, 17
- Conditional Admission, 12
- Contents, Table of, 3
- Continuous Enrollment 15
- Correspondence, 7
- Counseling, 25
- Counseling, General, 11
- Course Descriptions, 51
- Course Load, 17
- Courses, Scheduling, 8
- Degree Candidacy, Advancement to, 16
- Degree Candidacy, Examination, 16
- Degree Candidates, Other Institutions, 14
- Early Childhood Education Courses, 63
 - Program, 39
- Economics Courses, 60
- Education Courses, 63
- Elementary Education Courses, 65
 - Program, 41
- English Courses, 75
- Faculty, Instructional, 115
- Federal Aid Programs, 10
- Fees, 8
- Financial Aid, 9
- Foreign Applicants, 14
- French Courses, 90
- General Psychology, 101
- General Studies Courses, 77, Program, 21
- Geography Courses, 78, Program, 22
- German Courses, 91
- Grading System, 14
- Graduate Departmental Coordinators, 114
- Graduate Record Examination (GRE), 12
- Graduate Studies Committee, 7, 114
- Graduate School Coordinators, 7, 114
- Graduate Studies, Development of, 4
- Graduation, Application for, 20
- Graduate Fee, 8
- Health Center, 9
- Health Science Courses, 80
 - Program, 33
- History Courses, 83
- Information, General, 4
- In-Service Education and
 - Off-Campus Centers, 7
- In-Service Experiences, credit for, 20
- Instructional Technology Courses, 85
 - Program, 31
- Laboratory Fee, 8
- Library, Privileges, 7
- Mass Communication Courses, 109
- Master's Degrees, Requirements for, 21
- Mathematics Courses, 88
- Modern Languages, 90
- Music Courses, 93
- Music Education Program, 42
- Music Lessons, Private, 93
- Non-Degree Students, 13
- Non-Discrimination in Education
 - and Employment, 6
- Occupational Therapy, 96
- Office Hours, Graduate School, 7
- Officers for Graduate Studies, 113
- Officers of the University, 113
- Parking, 11
- Philosophy and Religion Courses, 97
- Physical Education Courses, 97
- Physical Science Courses, 100
- Physics Courses, 100
- Political Science Courses, 61
- Privacy Rights of Parents and Students, 6
- Probation, Academic, 17
- Program of Study, 15
- Psychology Courses, 101, Program, 24
- Reading Program, 44
- Registration, 8
- Registration Fee, 8
- Regulations, Academic, 11
- Requirements for Master's Degree, 15
- Residence, On and Off-Campus, 10
- Safety and Driver Education Courses, 71
- Scheduling of Courses, 8
- School Psychology, 103
- Science Education Courses, 101
- Secondary Education, Courses, 67
 - Program, 45
- Seniors, Graduate Work, 13
- Sociology Courses, 108
- Spanish Courses, 91
- Special Certification Programs, 71
- Speech Courses, 109
- Speech and Mass Communication
 - Courses, 109
 - Program, 23
- State Loan Programs, 10
- Student Personnel Program, 9
- Test of English as a Foreign Language
 - (TOEFL), 14
- Theatre Arts Courses, 111
- Thesis Procedure, 18
- Ticket Box Office, 9
- Time Limitation, 15
- Transcript Fee, 8
- Transfer Credit, 18
- Trustees, Board of, 6, 113
- Tuition, 8
- University Fee, 8
- University, History of, 4
- University Union, 9
- University Store, 9
- Veteran's Affairs, 11
- Visitors, Board of, 99
- Workshop and Independent Study, 17

TENNIS COURTS
 HOP
 PIECE

ENTRANCE AND DEPARTMENT
GUIDE TO BUILDINGS

AN ADMINISTRATION BUILDING

- BURDICK HALL**
Health Science Nursing, Med-Ed
Technology, Nursing, Occupational
Therapy, Training
ENTRANCE Townsend Building
Other Days

- COOK LIBRARY**
 404 American Cultural Center
 Communications Collection and Document
 Schreyer Art Collection Speech and
 Mass Communication University
 ENTRANCE North York Road
- DH DINING HALL**
 ENTRANCE North York Road
- HC DOWELL HEALTH CENTER**
 ENTRANCE North York Road
- FA FINE ARTS CENTER**
 Art Collection Art Gallery Asian Art
 Center Sculpture Hall Miller Ruffell
 Gallery Theater Theatre Arts
 ENTRANCE Direct Access from Outer
 Ring Road
- GS GENERAL SERVICES**
 General Planning Central Records
 Central Stores Engineering Service
 Maintenance Physical Plant Police
 ENTRANCE Direct Access from
 Townsend Boulevard

- SE SMITH HALL
Biology Chemistry Physics Pump
Entrance South York Road
- ST STEPHENS HALL
Administration Hallway Map It
Mathematics
- TC TOWSON CENTER
Activities Book Offices Physical Education
Entrance Direct Access to Humanities
Diner
- AH TOWSON CLUB
Entrance Direct Access to Center Drive
- TS TOWSON STADIUM
Entrance Direct Access to Center Drive
- UU UMW UNION
Art Gallery Auxiliary Services Book
Store Book Offices Food Services
Office Recreation Center Special
Services Student Government
Center Town Hall South York
Entrance Towsontown Boulevard
- VB VAN BOKKELEN HALL
Temporarily closed for renovation
- WA WARHO HALL
Entrance South York Avenue
- WE WEST HALL
Entrance Towson Avenue
- GE GLEN ESK
Compliance Center
Entrance North York Road
- WH HAWKINS HALL
Counseling Center Food
Entrance East York Avenue
- LH LECTURE HALL
Entrance South York Avenue
- LD LIDA LEE TALLER
RESOURCES CENTER
Dix Drive Center
- U UNITHUM HALL
Counseling Center General Studies
Student Government Student
Services Student Union
Entrance East York Avenue
- MC MEDIA CENTER
Computer Center Library Media Center
Student Union Student Union Radio
Entrance South York Road
- NE NEWELL HALL
Reference Office
Entrance North York Road
- PP POWER PLANT
Entrance North York Road
- PR PRETTYMAN HALL
Entrance North York Road
- PV PSYCHOLOGY BUILDING
Psychology
Entrance South York Avenue
- RT RESIDENCE TOWER
Entrance North York Avenue
- RI RICHMOND HALL
Entrance South York Road
- SC SCARBOROUGH HALL
Entrance North York Road

PARKING AREAS

- Parking for the handicapped is located in lots 2, 5, 6, 9, 12, 17 & 21

Parking for the handicapped is located in lots 2, 5, 6, 9, 12, 17, & 21

TOWSON STATE UNIVERSITY
Towson, Maryland 21204

Non-Profit Org.
U.S. Postage
PAID
Baltimore, Md.
Permit No. 1530